

2024

PORTFOLIO

FLETCHER STEELE



RESUME

FLETCHER STEELE

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(907) 206-0255

EDUCATION

UNIVERSITY OF ALASKA FAIRBANKS • AUG 2017 - MAY 2020

WASHINGTON STATE UNIVERSITY • MAY 2020 - MAY 2024

- MASTER OF ARCHITECTURE
- BACHELOR OF SCIENCE: ARCHITECTURAL STUDIES

HONOR & AWARDS

- 2ND PLACE CLT DESIGN COMPETITION • 2022
- 2ND PLACE CAPSTONE STUDIO • 2023

-
- DEAN'S LIST • (Above 3.5 GPA) 2019-20
 - CHANCELLOR'S LIST • (Above 3.9 GPA) 2018-19
 - PRESIDENT'S HONOR ROLL • 2020-21
 - PHASE 3 SCHOLARSHIP (MUSIC) • 2020-2021
 - PHASE 1 SCHOLARSHIP (MUSIC) • 2021-2022
 - NOMINATED - OUTSTANDING STUDENT IN ARCHITECTURE • 2021

RELEVANT EXPERIENCE

SHEET METAL SHOP ASSISTANT • UAF

JAN 2019 – JAN 2020

- Assisted in designing and fabricating custom metal work for the University.
- Took on projects independently as well as projects in conjunction with carpenters, HVAC personnel and maintenance employees.
- Skills learned include: Stick welding, MIG and TIG welding, laser cutter operation, AutoCAD modeling, and various machines + methods for manipulating metal.

ARCHITECTURAL INTERN • NVISION ARCHITECTURE

MAY 2022 – AUG 2022

- - Concept Development
- - Site design
- - 2D and 3D modelling in Revit, Sketchup and AutoCAD
- - Site inspection

TEACHING ASSISTANT • WSU

AUG 2023 – MAY 2024

- - Helped students with problem solving
- - Coordinated between students and teacher
- - Problem solving between teams
- - Taught Rhino and Illustrator

SKILLS

- | | |
|--------------------|---------------------|
| • HAND DRAWING | • ADOBE INDESIGN |
| • ANALOG MODELLING | • ADOBE ILLUSTRATOR |
| • RHINO | • ADOBE PHOTOSHOP |
| • REVIT | • AUTOCAD |
| • LUMION RENDERING | |



FIRE HUT

2021 - INDIVIDUAL PROJECT - RESIDENTIAL

③



MID-BLOCK CONNECTION

2022 - GROUP PROJECT - MIXED-USE

②



MERCER CROSSING

2023 - GROUP PROJECT - COMMERCIAL

①



DRAWINGS

FOREVER - INDIVIDUAL - HOBBY

⑥



CASE STUDY

2020 - INDIVIDUAL PROJECT - RELIGIOUS

⑤



COHOUSING

2023 - INDIVIDUAL PROJECT - MIXED-USE

④





MERCER CROSSING

2023 | COMMERCIAL

SEATTLE, WA

2ND PLACE IN CAPSTONE DESIGN
COMPETITION

CONCEPT

This project is designed as a circulation-based building which seeks to create a better urbanism through an informal relationship between a building and the people using it. We designed it to be an integrated part of the urban context, as opposed to a self-contained system. The primary move is the carved-out passage, creating a pedestrian street which connects between the commercial / residential zones to the South, and the “Regional Heart” location at the SLU waterfront to the north.

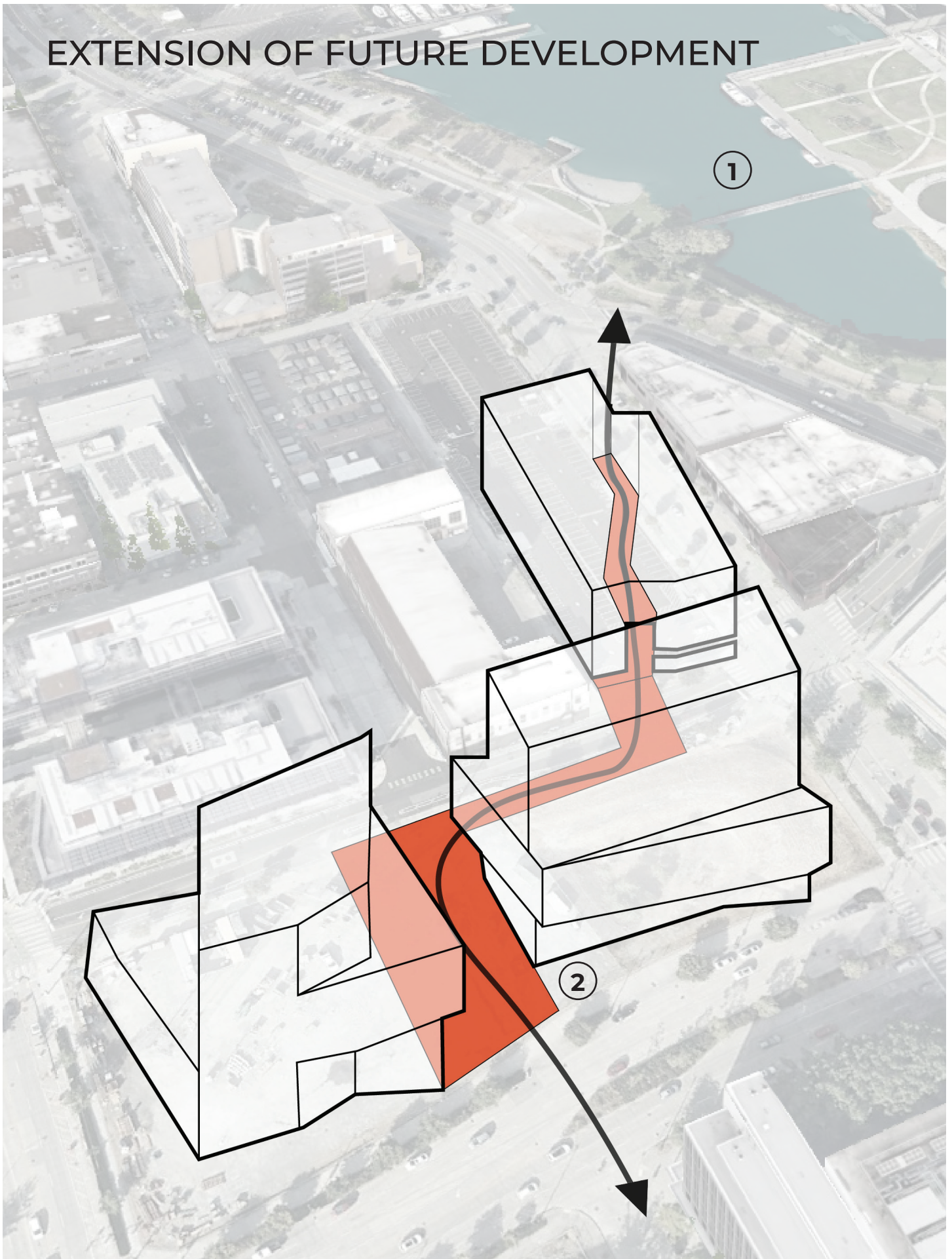
The program was prescribed as the first two floors dedicated to gallery space and the remaining floors dedicated to leasable office space. In addition to this we included a cafe and restaurant at the SE and NW corners where the passage opens to the street. A red ribbon frames each entrance where daylight is brought in through light monitors. The essence of the street is wrapped into the passage through the use of bordering brick walls, street art, vegetation, and pavers.

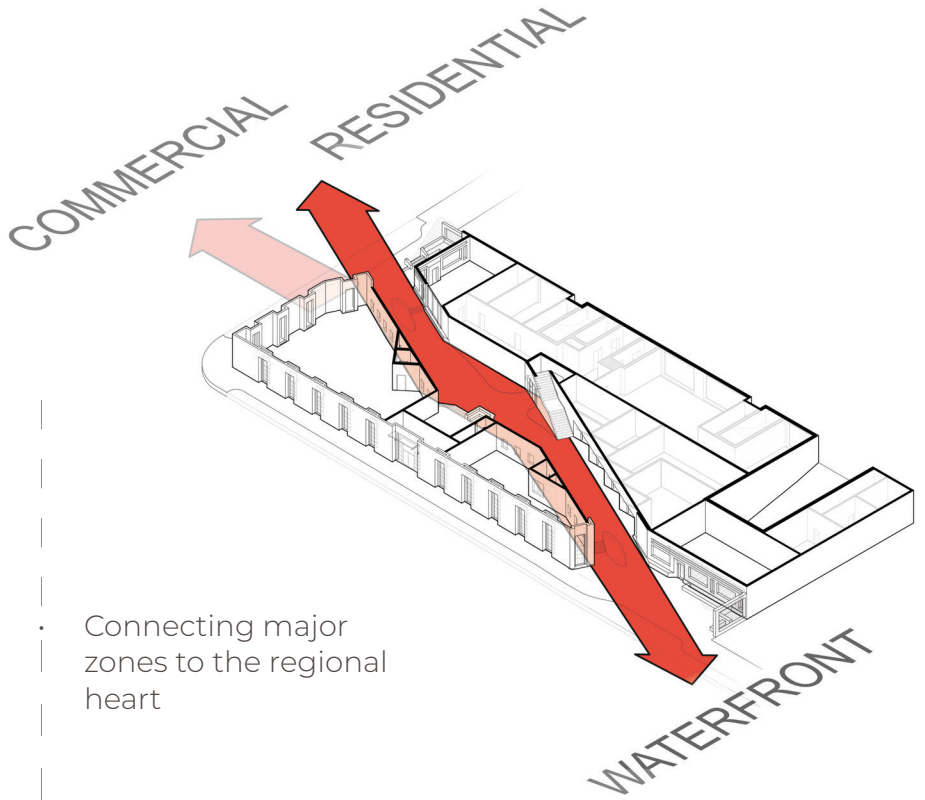
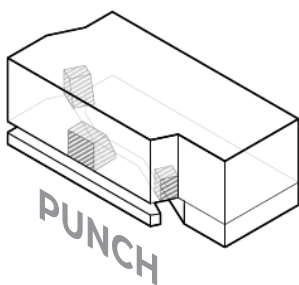
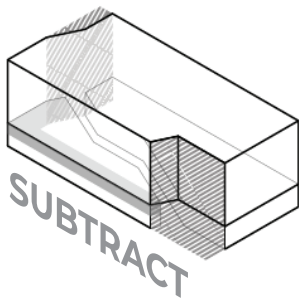
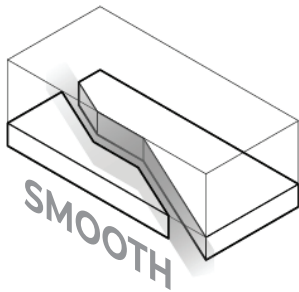
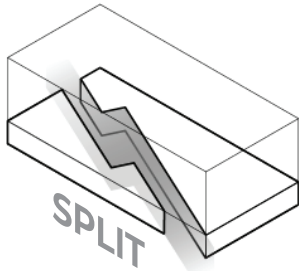
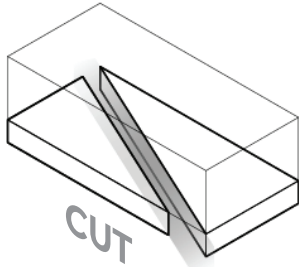
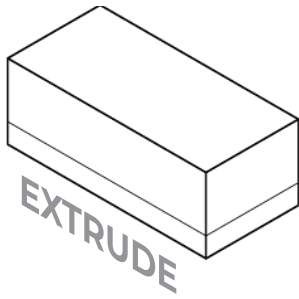


- ① REGIONAL HEART
- ② FUTURE DEVELOPMENT AND CIVIC CENTER
- ③ NOISY INTERSECTION
- ④ RESIDENTIAL CONCENTRATION

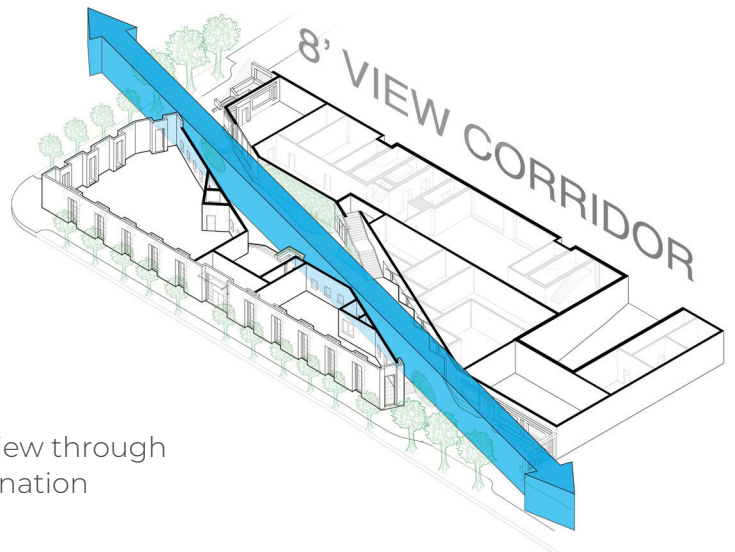


EXTENSION OF FUTURE DEVELOPMENT

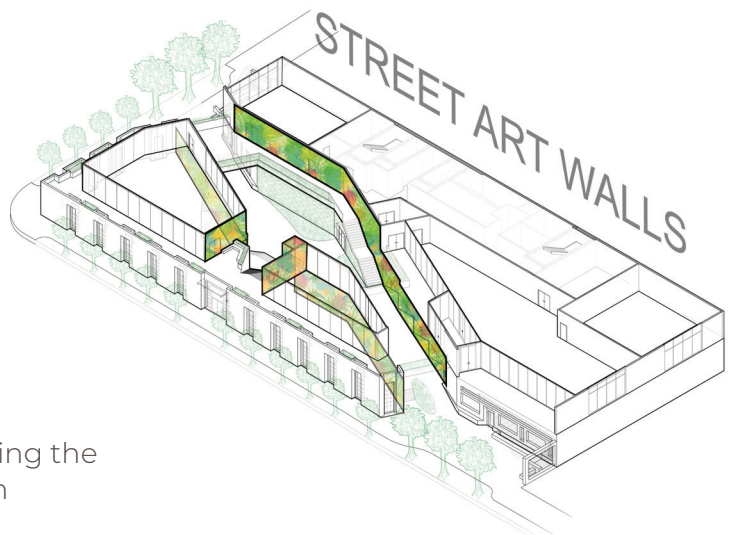




Connecting major zones to the regional heart



Clear view through to destination

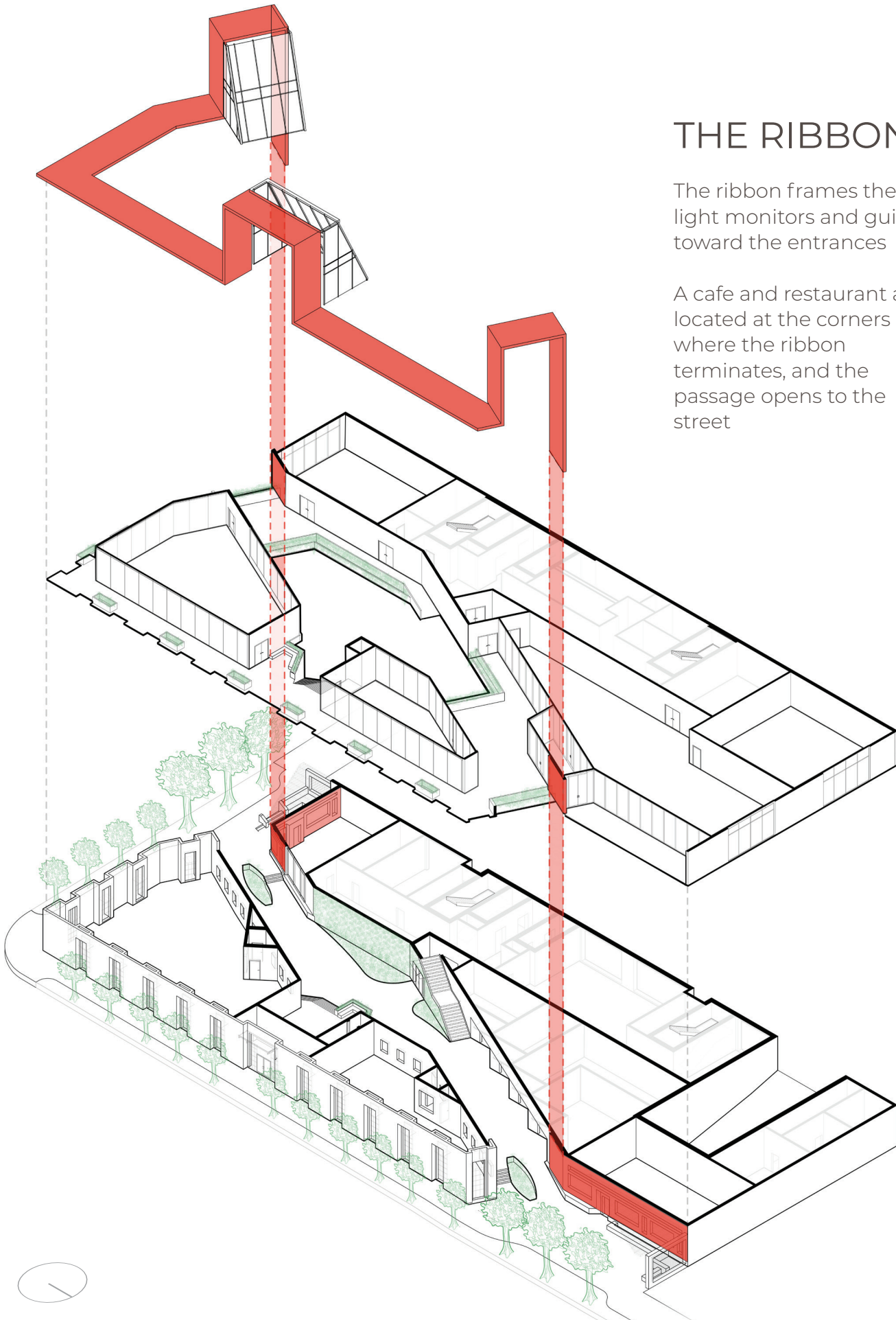


Wrapping the street in

THE RIBBON

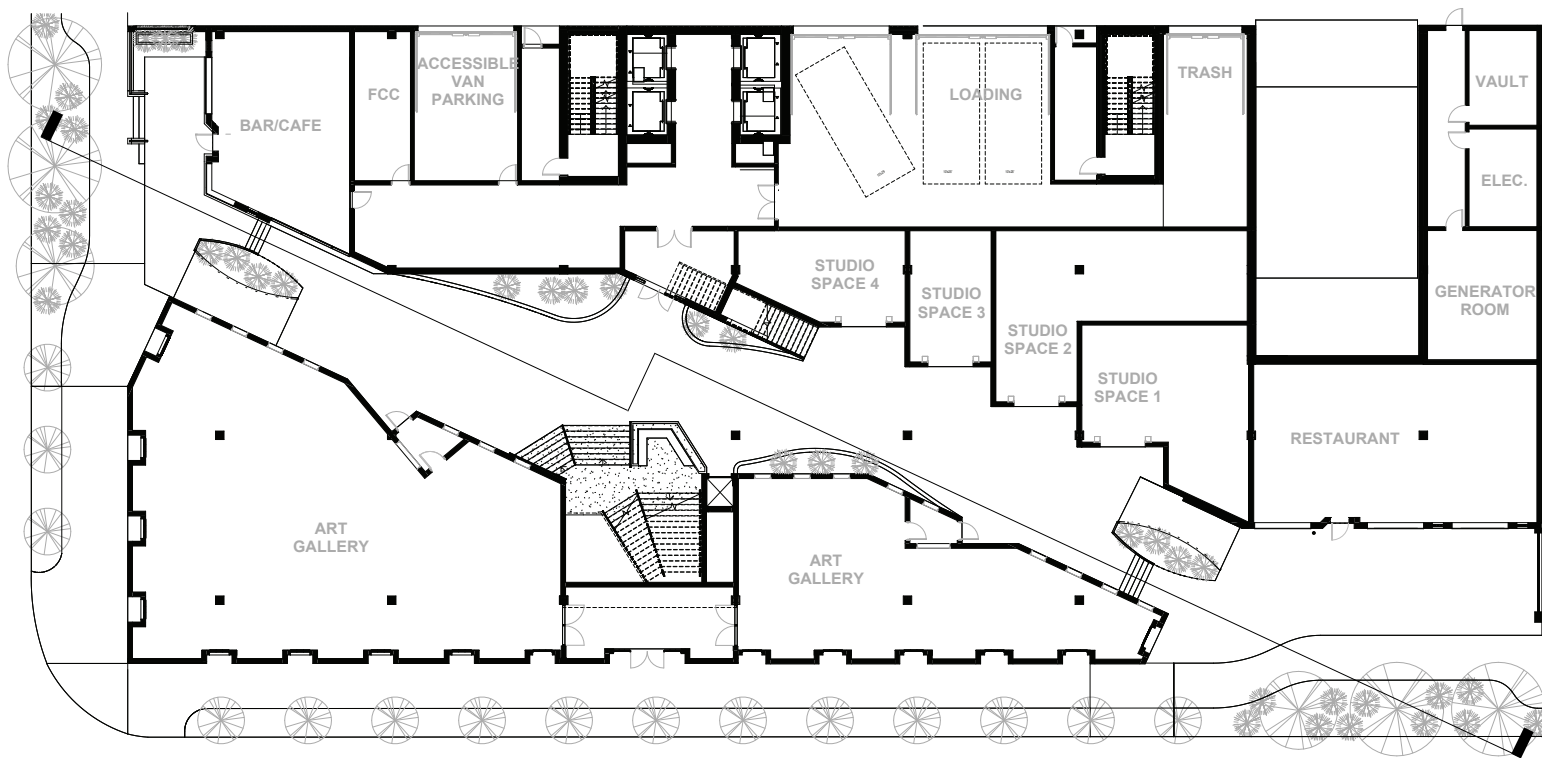
The ribbon frames the light monitors and guides toward the entrances

A cafe and restaurant are located at the corners where the ribbon terminates, and the passage opens to the street

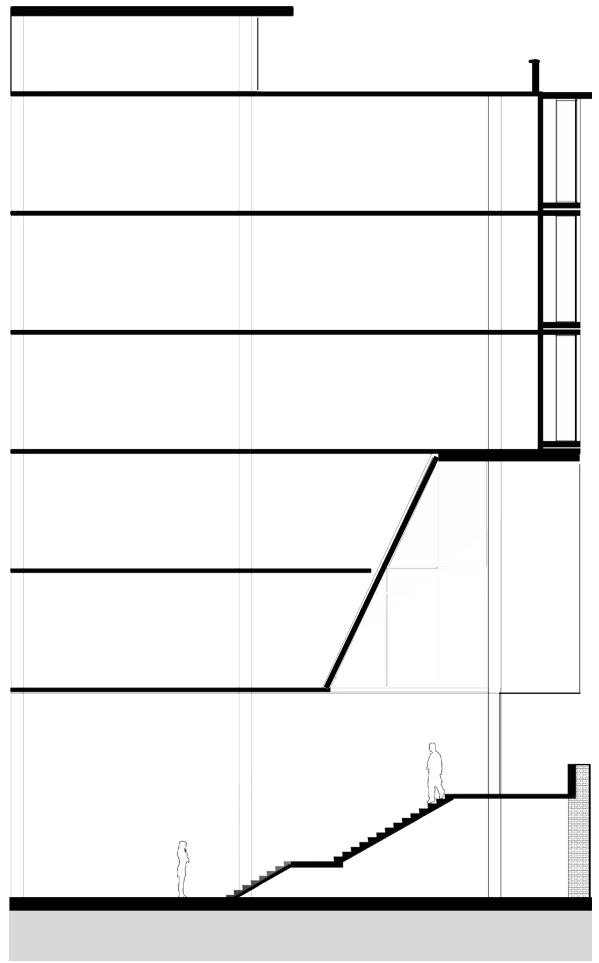
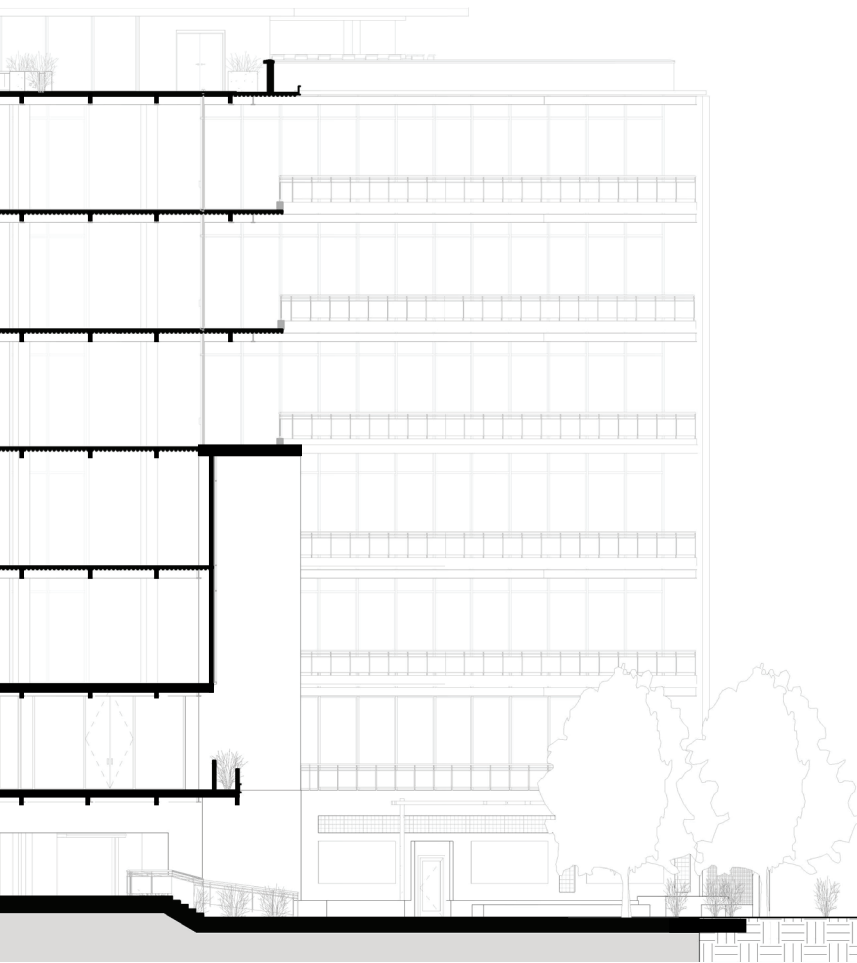




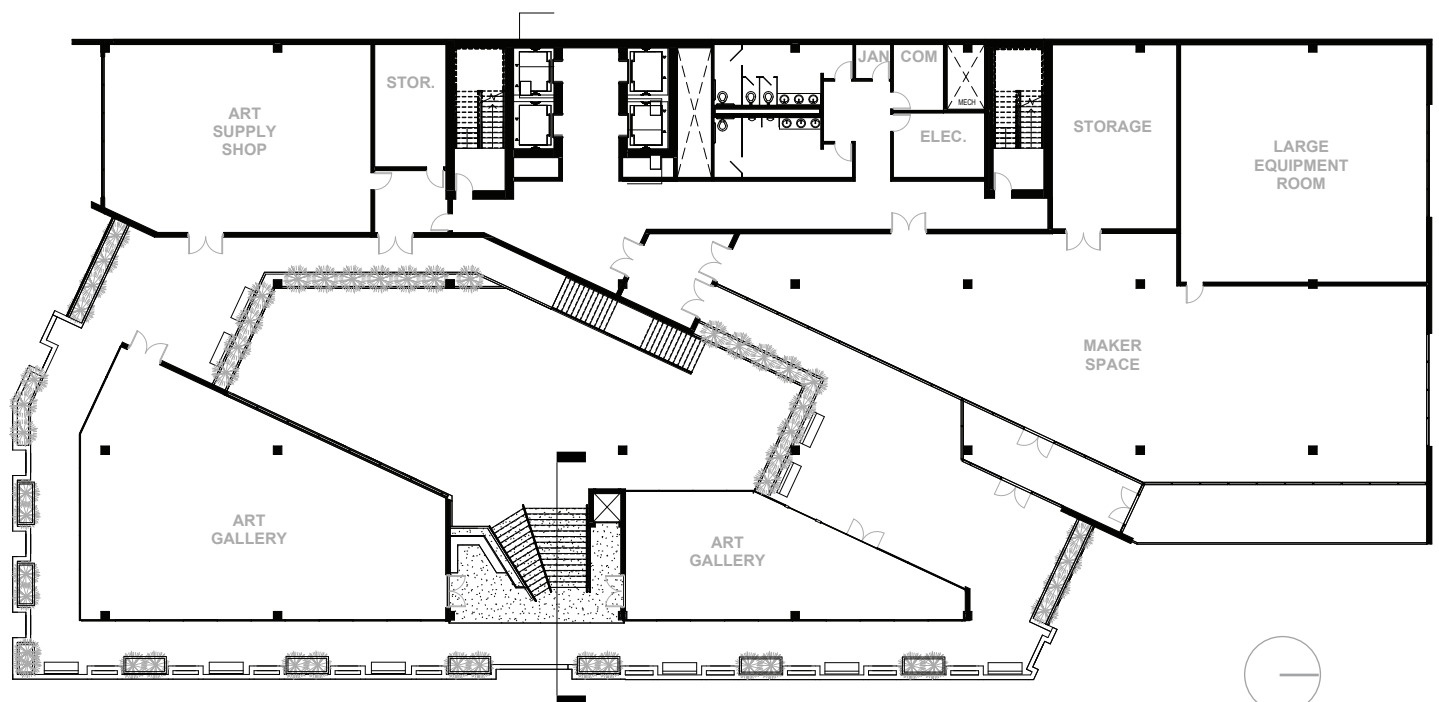
Looking Northwest



LVL 1

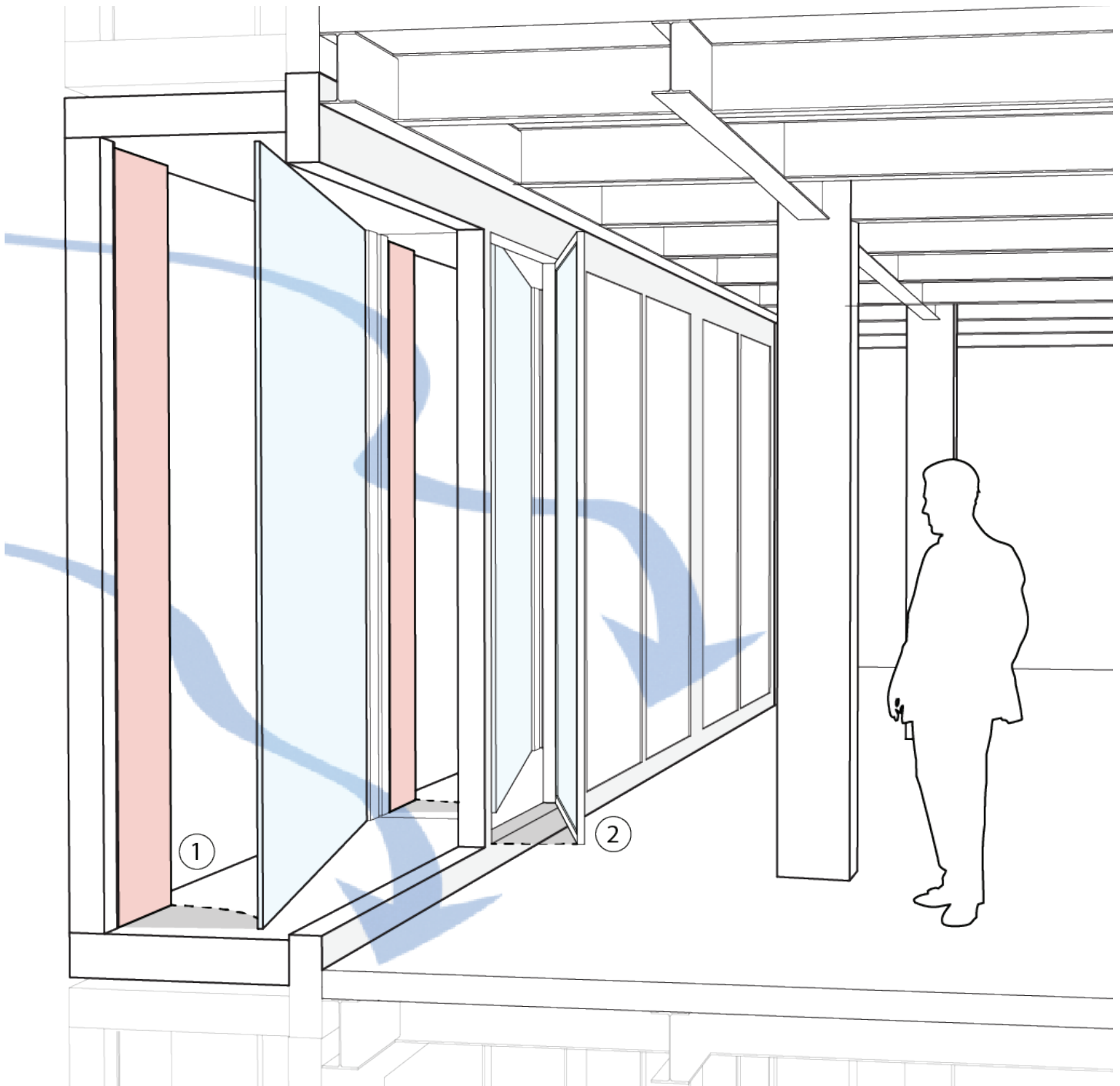


Looking North



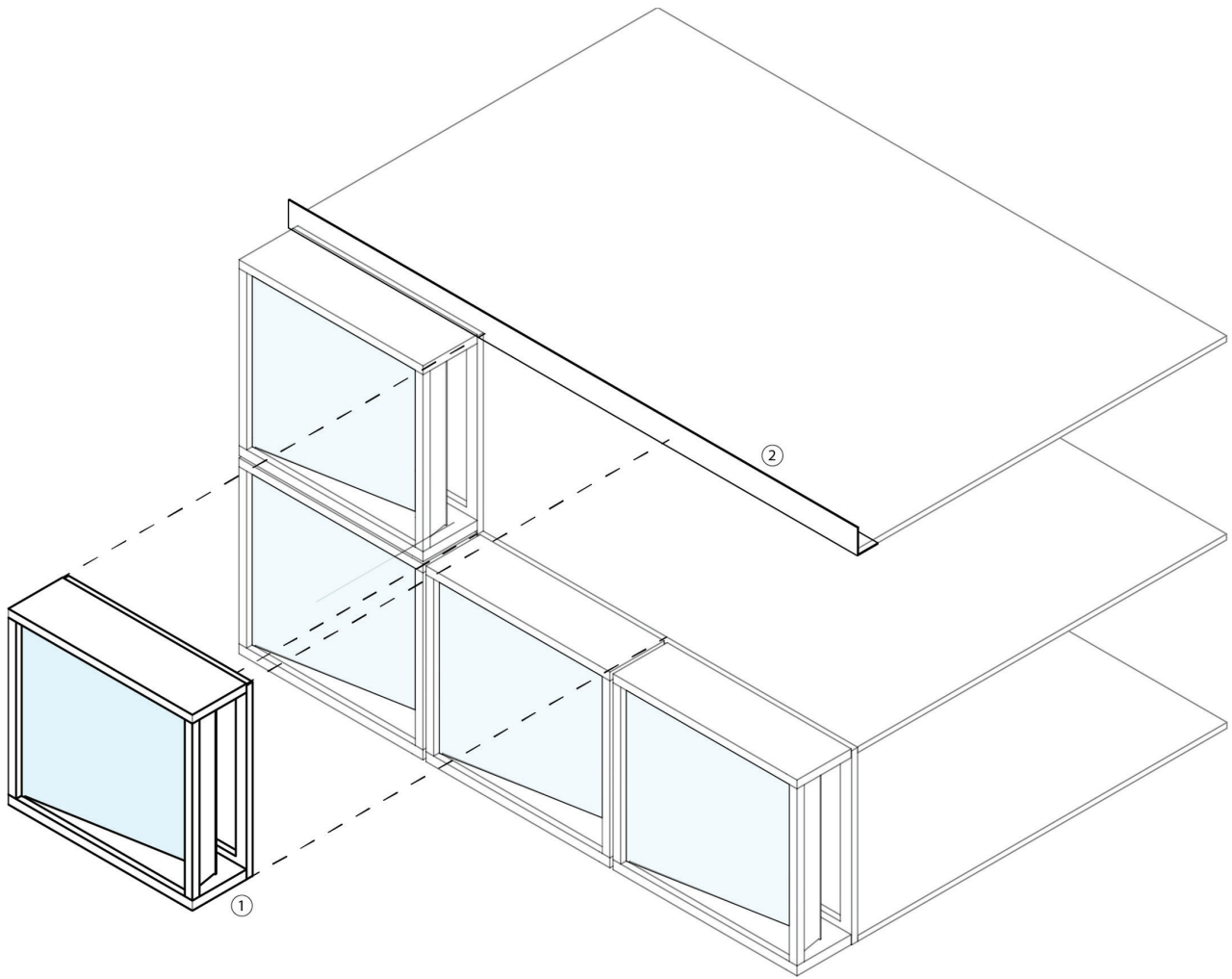
LVL 2

FACADE SYSTEM



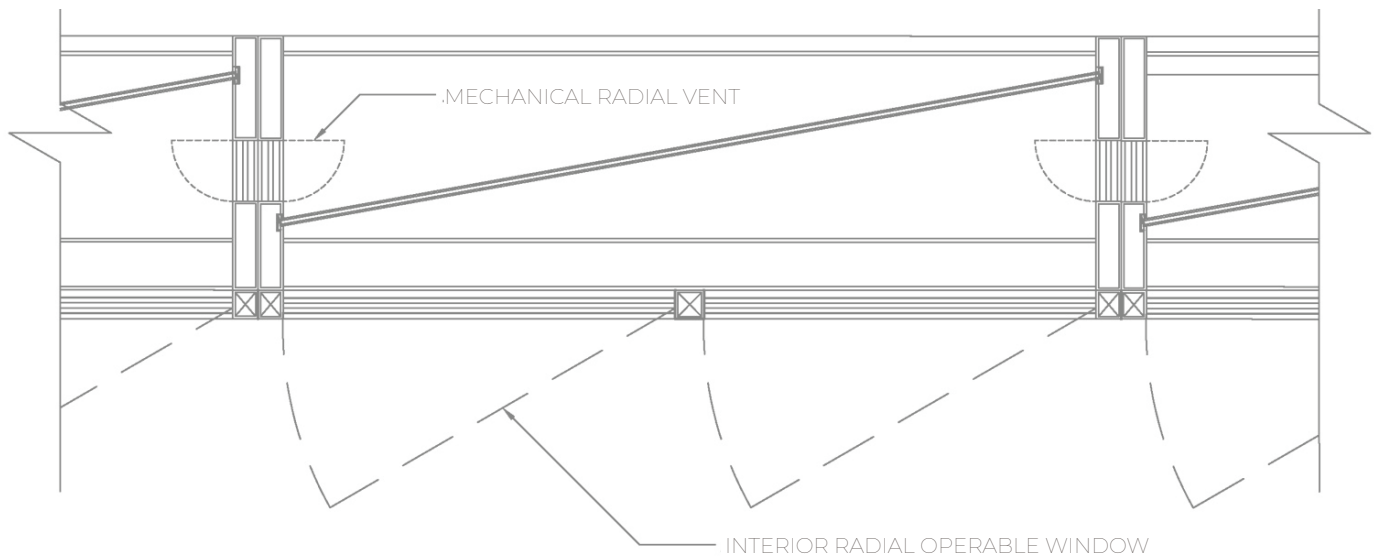
① AIR VENT

② INTERIOR OPERABLE WINDOW

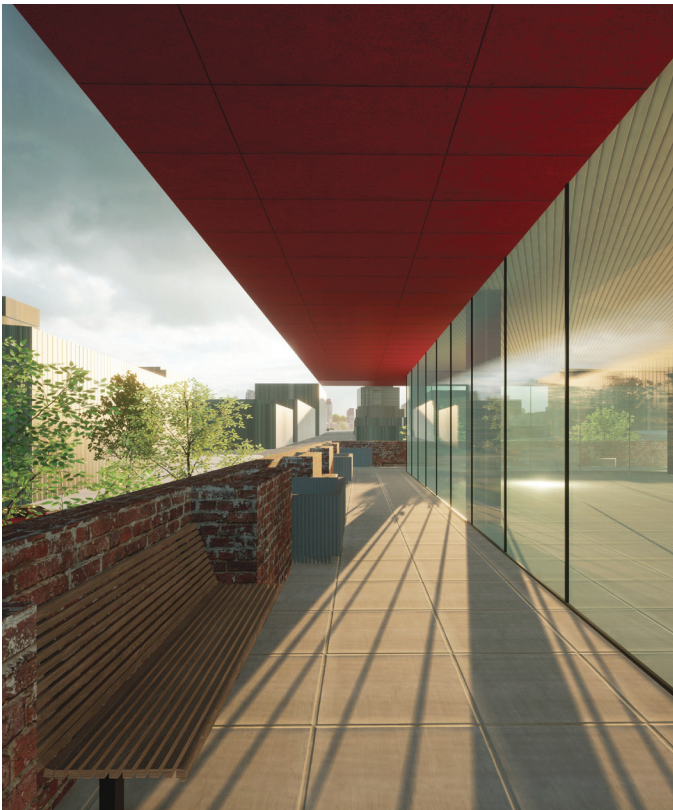


① WINDOW MODULE

② 1" WELDED STEEL CHANNEL



* None of the drawings on this spread were made by me,











SALE

APPLES	2.00
APPLES	5.00
APPLES	1.00
APPLES	1.30X



MID-BLOCK CONNECTION

2022 - CLT MIXED-USE

CAPITOL HILL, SEATTLE, WA

2ND PLACE IN CLT DESIGN COMPETITION

CONCEPT

In this design our goal was to provide proper infrastructure to support subcommunities within the larger context of the city using the concept of the 20-minute city.

Instead of people adapting their lives to the city, we proposed a design where the city is condensed into a smaller neighborhood scale. Our design focused on independent workspaces, social spaces, local markets, and green infrastructure.

Our site was located on a spite mound which gradually rises to a height of 2 stories across the span of the site. We used this opportunity to carve an alleyway which connects Melrose and Bellevue Ave, providing a secondary public realm which diversifies pedestrian infrastructure while also offering a practical shortcut.



RESEARCH



217,500 sf of under used alleyway space in Seattle



Create passage through the site, connecting Melrose and Bellevue Ave.



50% of Americans want hybrid work environments



Provide workspace which is available to the residents and neighborhood community



Lack of greenspace in the immediate area

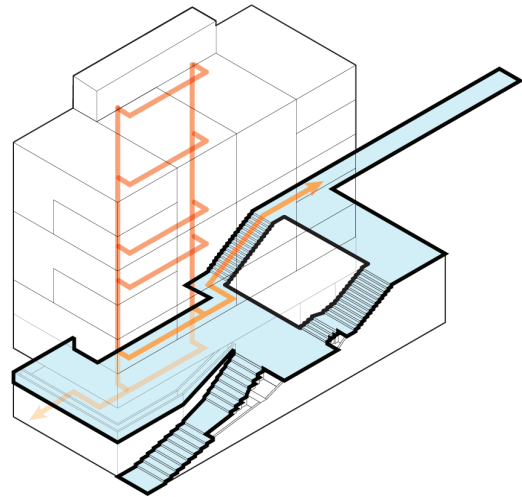


Provide green space for residents and neighborhood community

A) CIRCULATION & EGRESS

Double-height units reduce circulation space and number of elevator stops

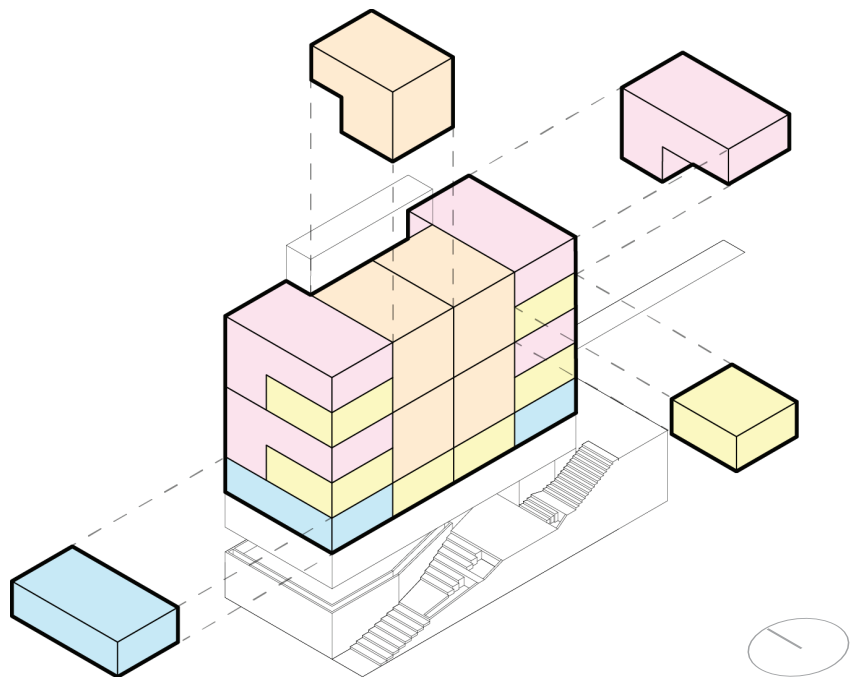
- Open Circulation
- Egress Paths



B) UNIT CONFIGURATION

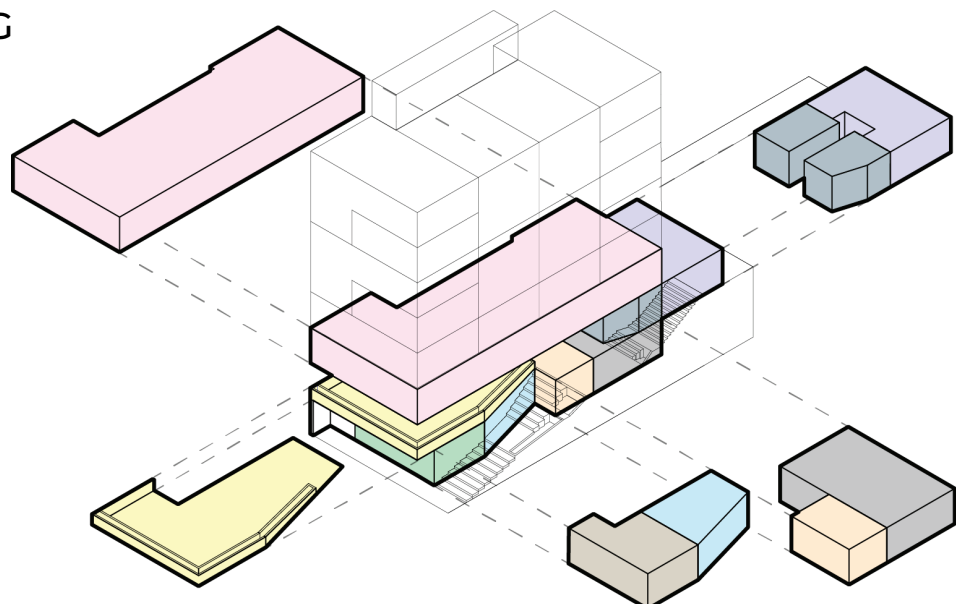
Designed for all units to have southern exposure

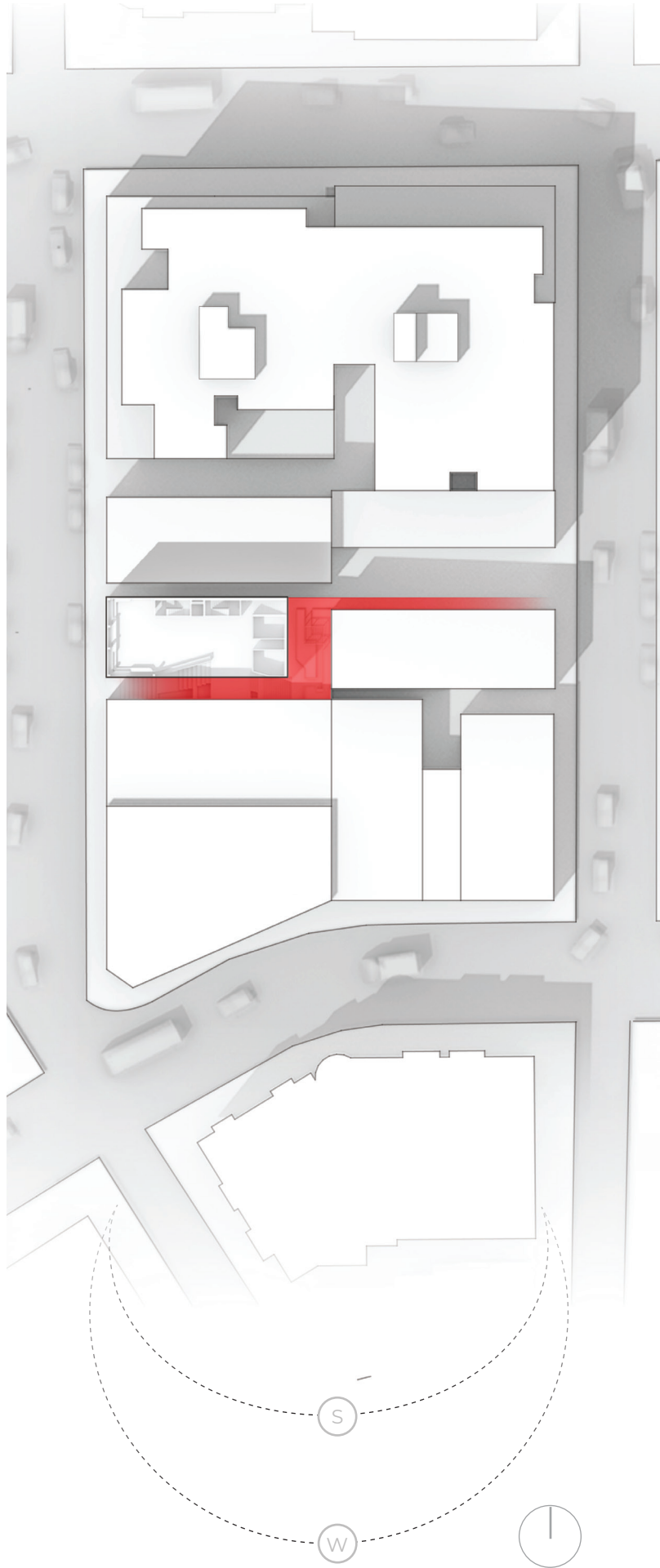
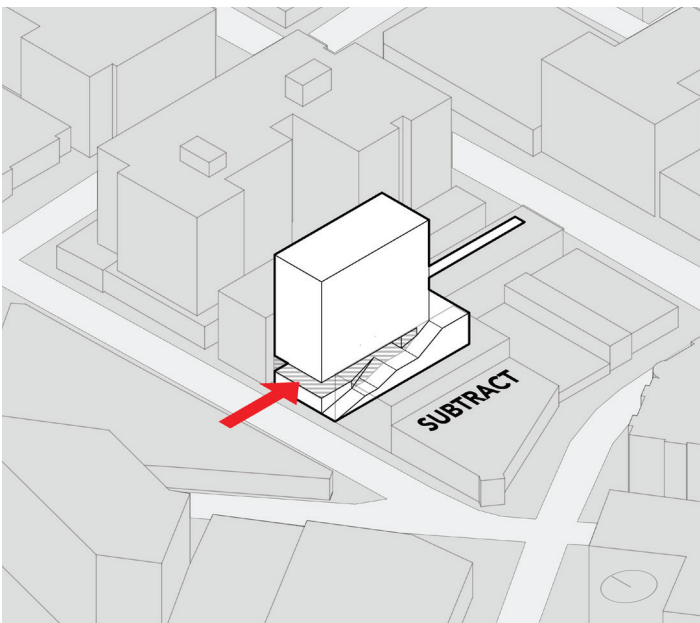
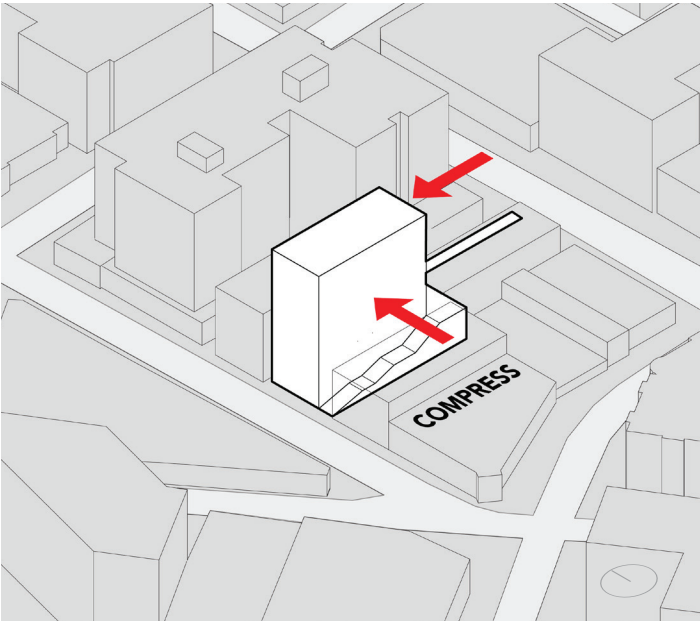
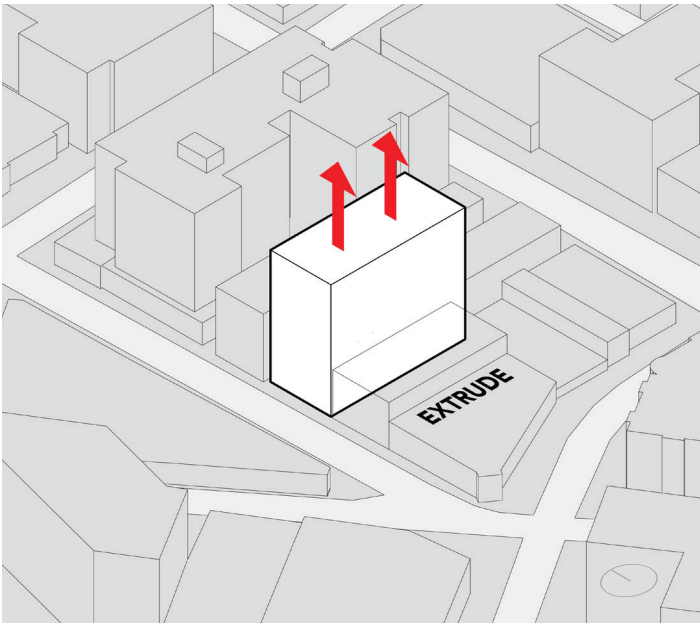
- Double Height - 2 Bedroom
- Studio Apartment
- Double Height - 3 Bedroom
- 1 Bedroom

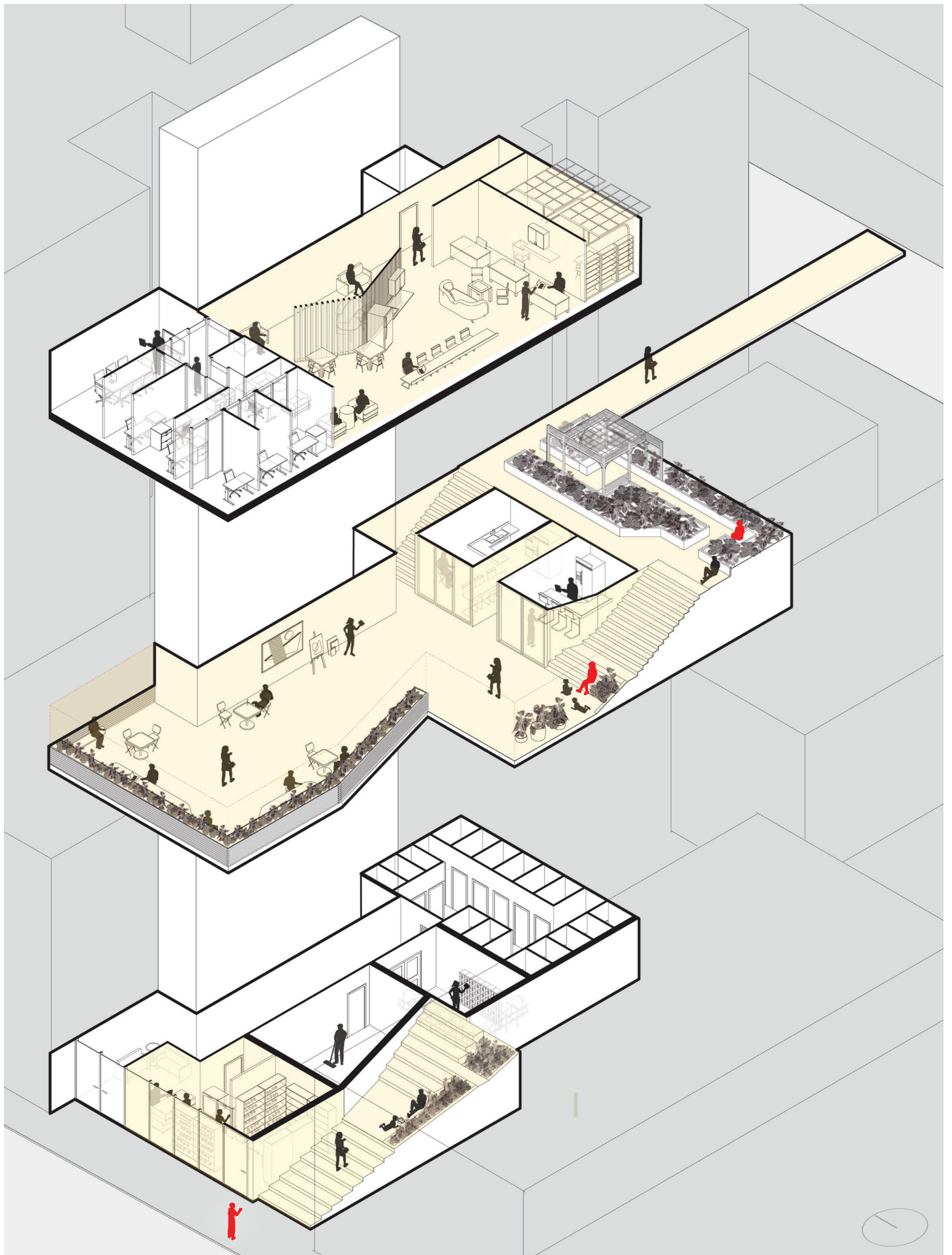


C) SPACE PROGRAMMING

- Corner Store
- Mail / Bike Storage
- Public Deck
- Coworking Space
- Mechanical
- Public Restroom
- Retail / Commercial









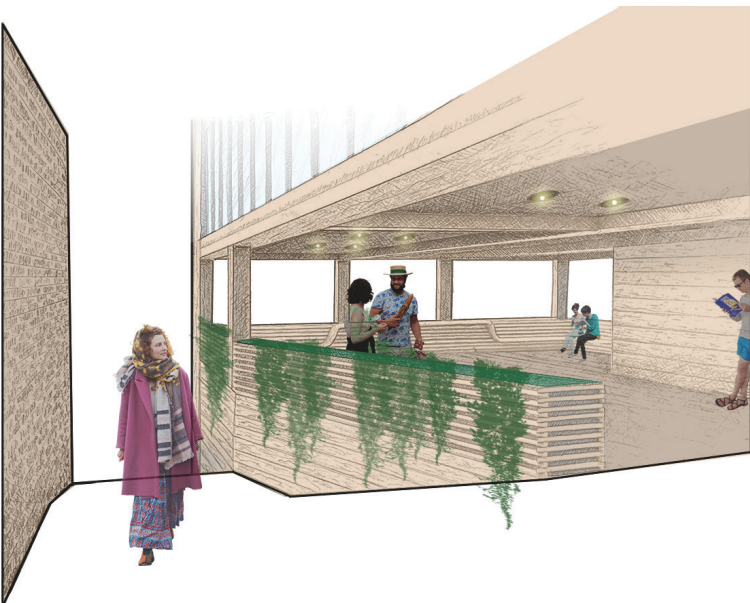
COMMUNITY GARDEN & WORKSHOP



Addresses the lack of greenspace in immediate area



Provides opportunity for integration between residents and broader community through collective projects.



PUBLIC DECK & ALLEYWAY



The deck serves as a Third-Space and exterior space for the sandwich shop and bar located at the back of the deck

It also serves the neighborhood as a space for public functions such as a Farmers market, art shows, etc.



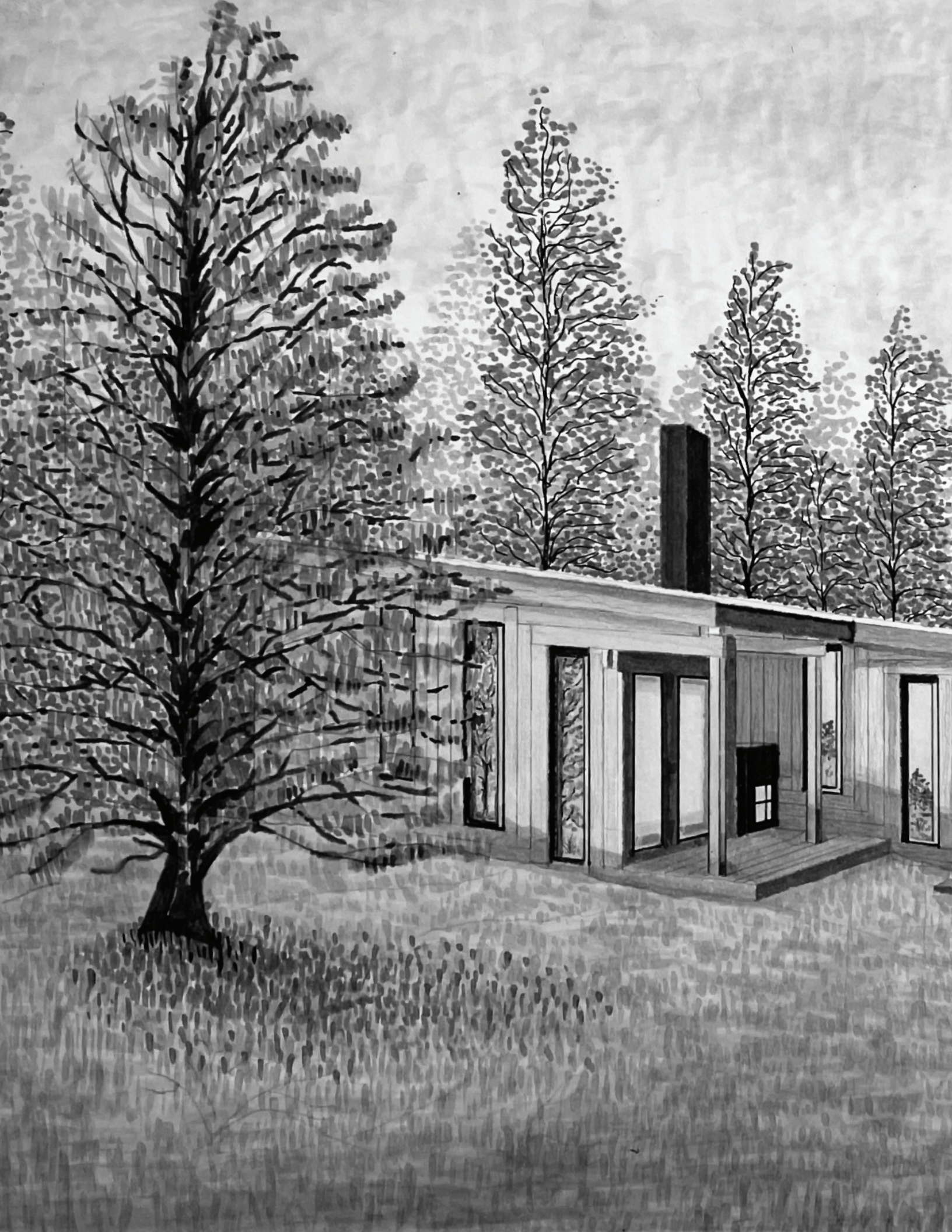
CORNER STORE & ALLEYWAY



Uses alleyway to connect Bellevue and Melrose Ave.

Encourage neighborhood community formation

The corner store fills the lack of similar program in the immediate area. It is most practical program for the area and supports the function of our site as a center for neighborhood.





FIRE HUT

2021 | SMALL DWELLING

KAMIAK BUTTE

CONCEPT

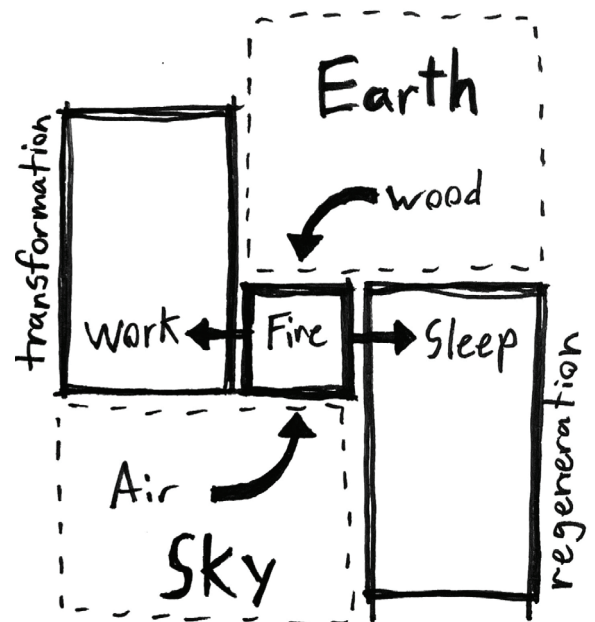
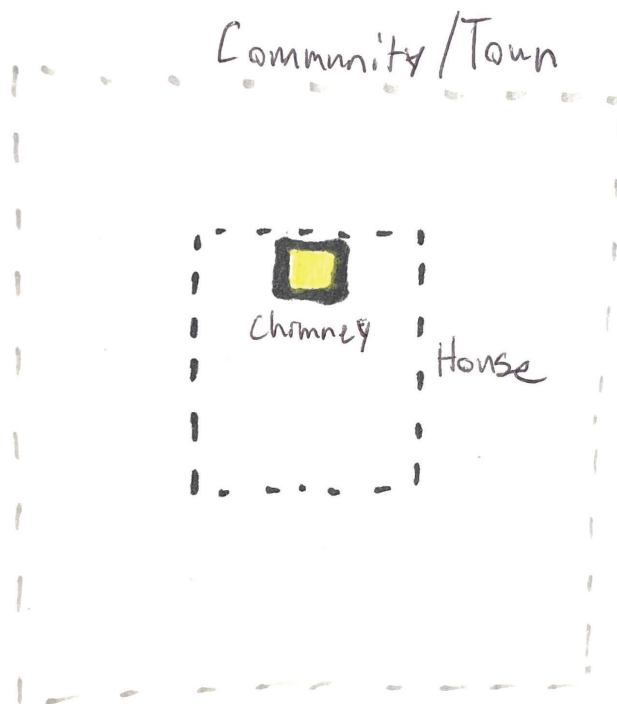
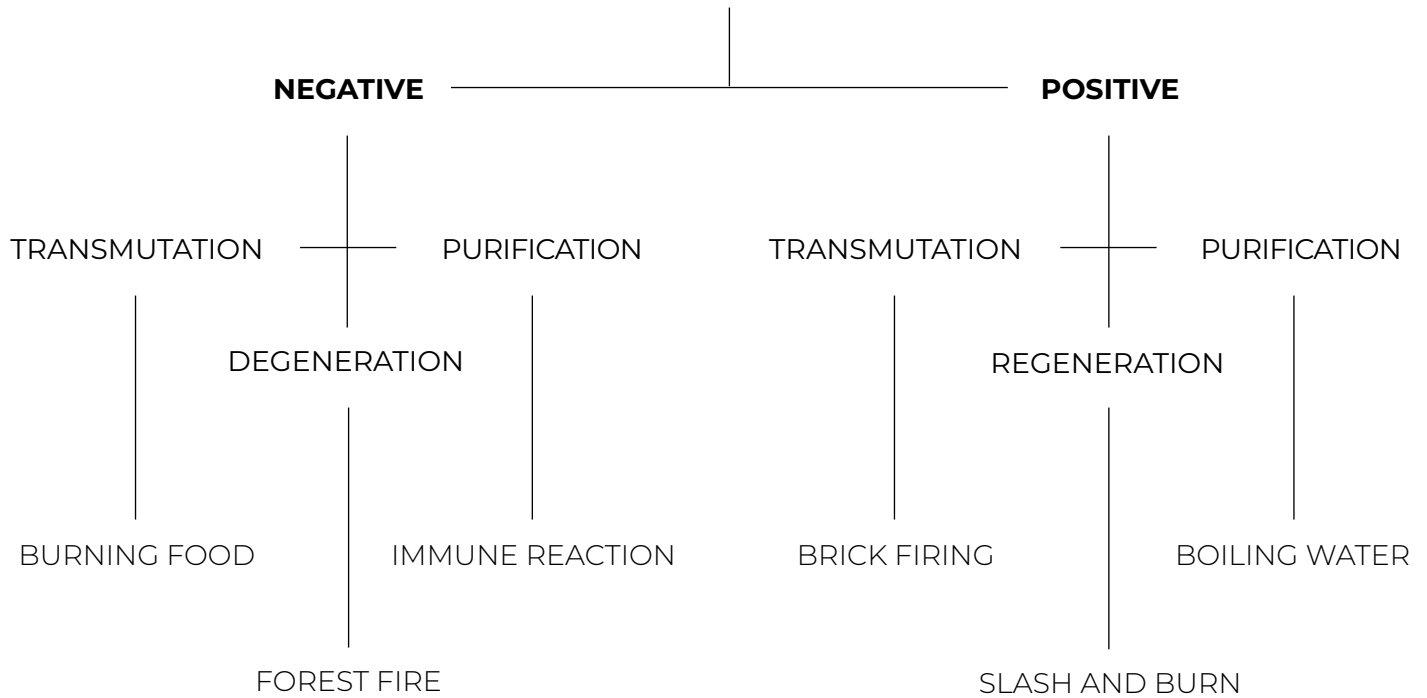
The project is designed as a small dwelling for myself at the crest of Kamiak Butte. The purpose of the structure is to support a way of living that enhances one's reconnection to the patterns of the natural world. The primary focus is on the phenomenology of fire as a symbol of transformation.

The idea started with an image from Tarkovsky's "Ivan's Childhood" where a boy stands among a scoured wasteland and only the brick chimneys remain standing. The protected source of heat and light now stripped to reveal the most essential heart of civilization.

I extracted the idea of fire as a phenomenological center: a symbol of the source of meaning. I researched the connection between how we use fire to transform material and space and how we pair that with specific rituals. The purpose of this project was to design ritual spaces that reveal these specific aspects of human relationship to fire.

PHENOMENOLOGY OF FIRE

FIRE AS AN AGENT OF CHANGE



INTEGRATION IN RITUAL

FIRE AS AN AGENT OF CHANGE IN HUMANS

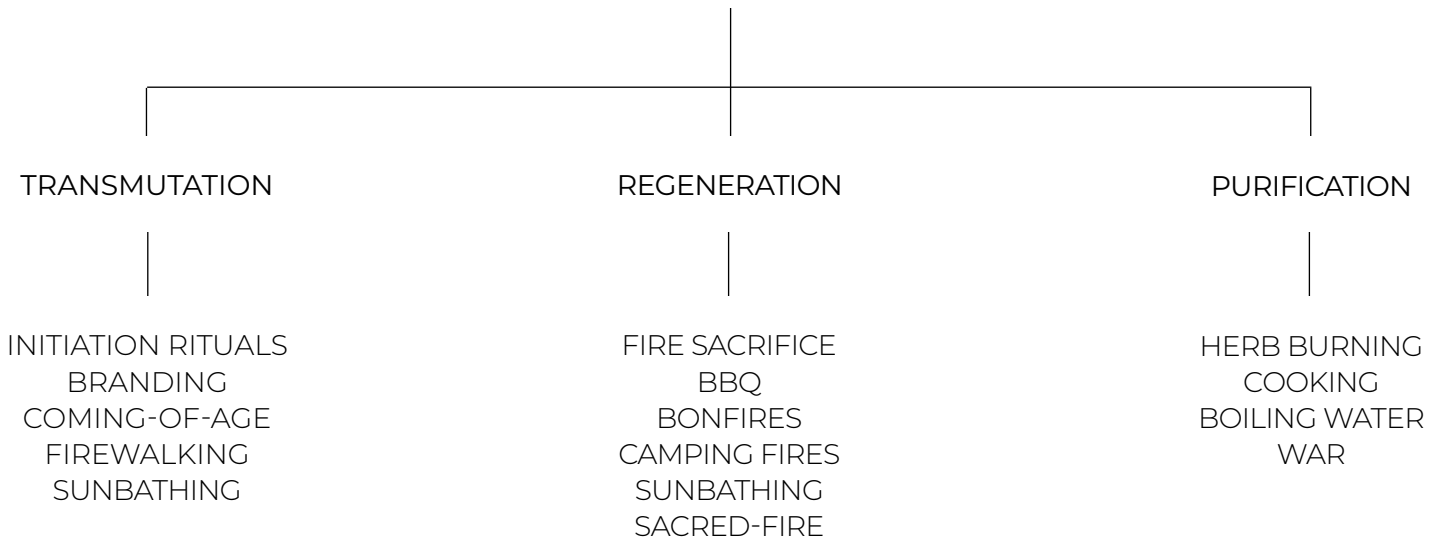
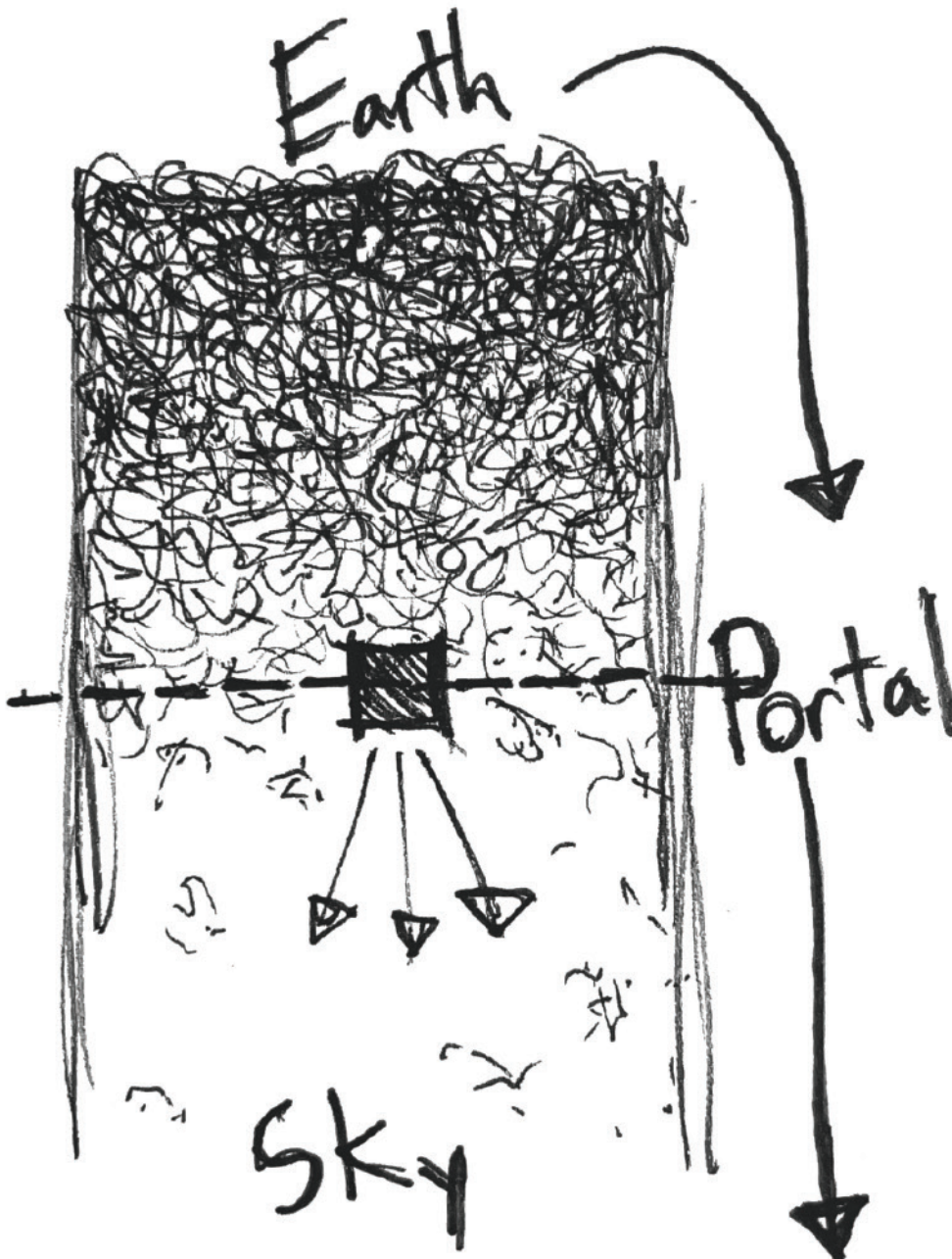
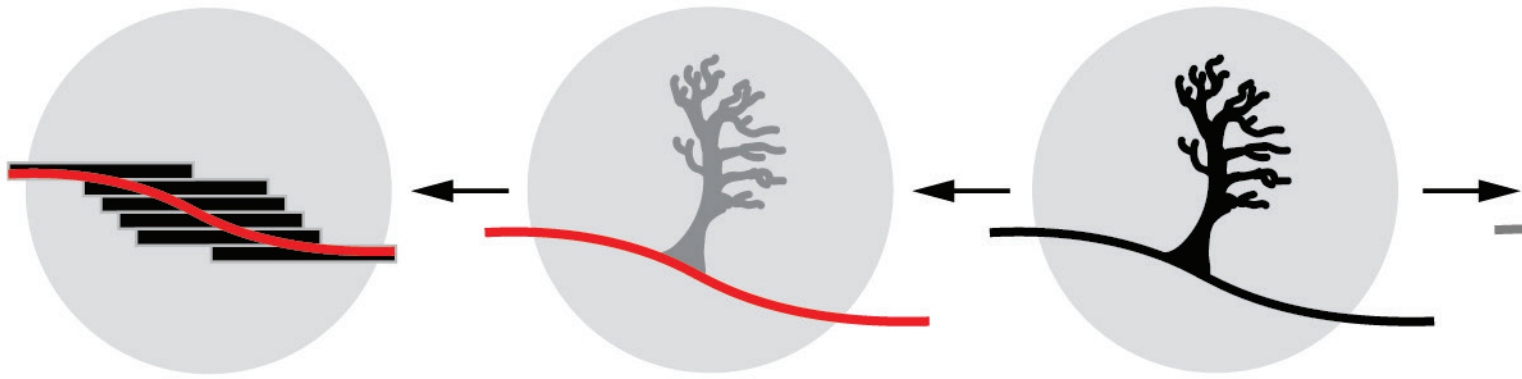


IMAGE FROM "IVAN'S CHILDHOOD" BY ANDREI TARKOVSKY



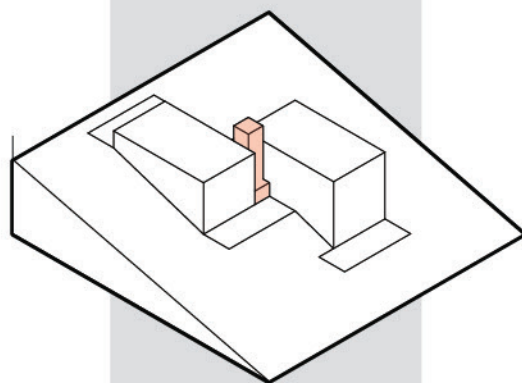
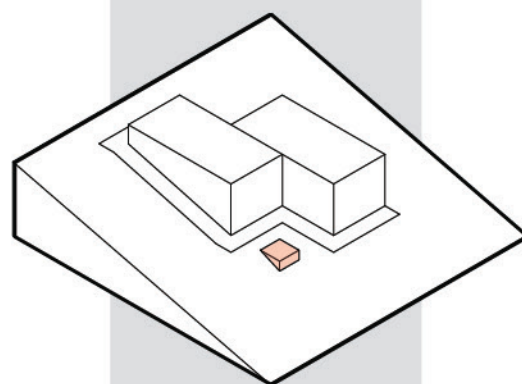
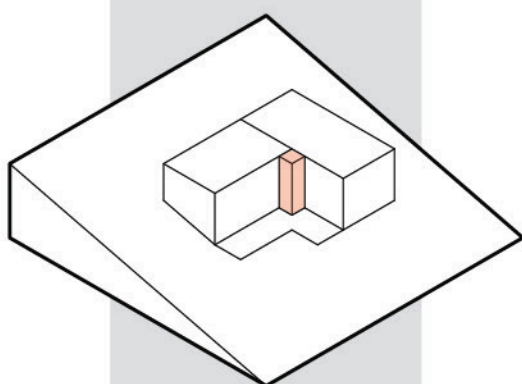
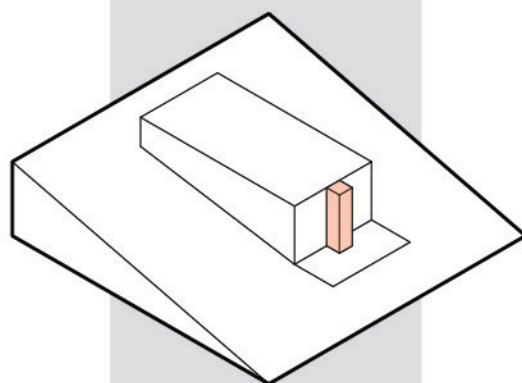
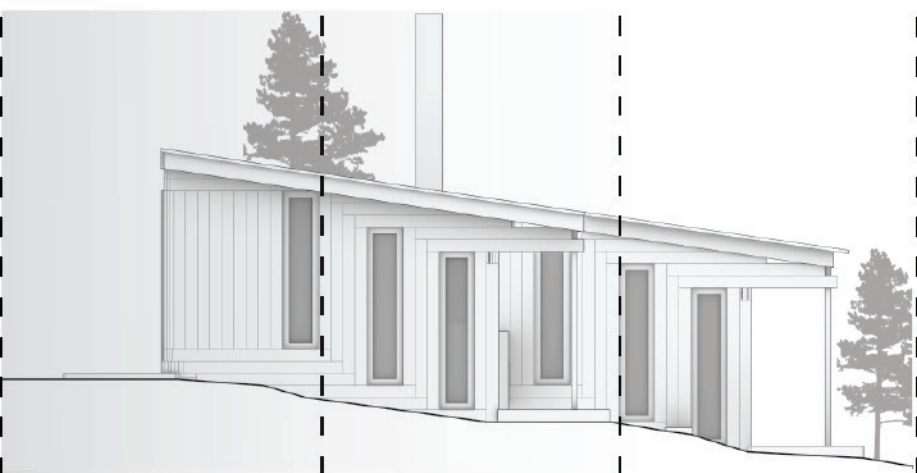
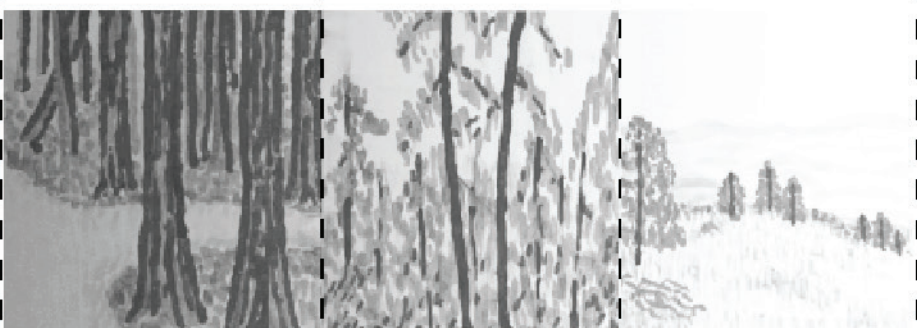
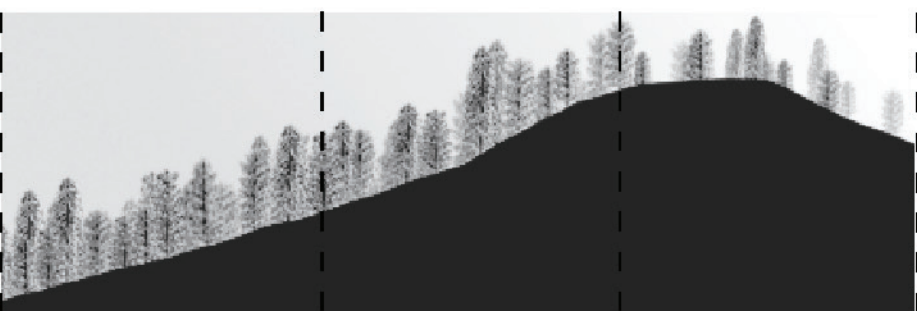
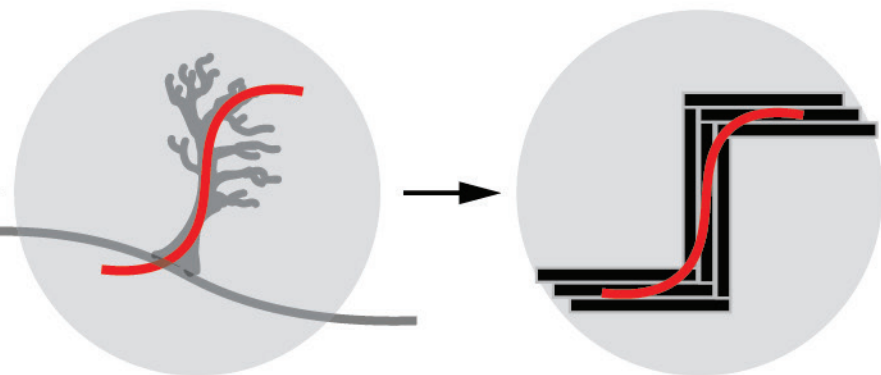


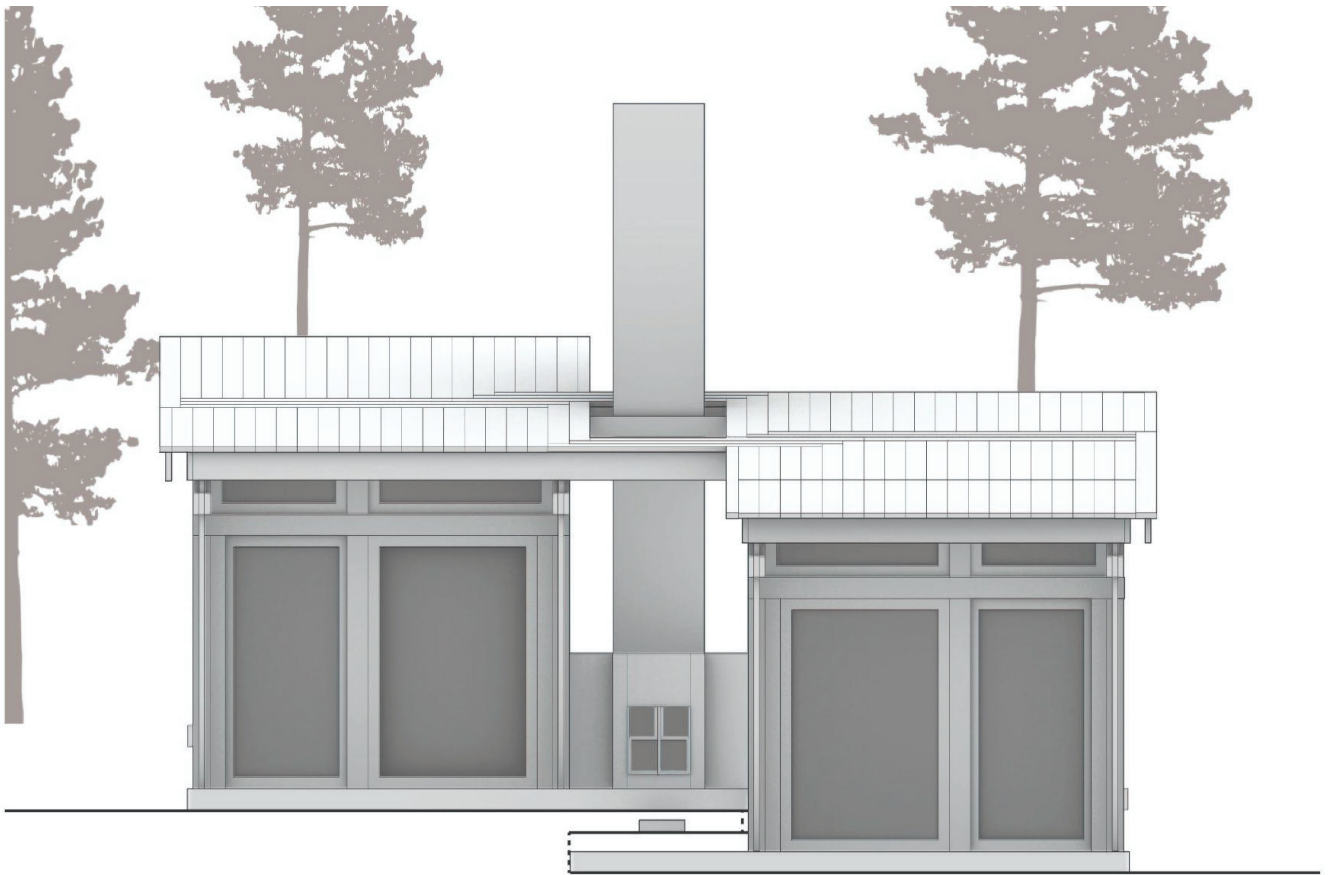
There are two sides of the Butte one experiences as they make their way up the trail.

The North side is heavily forested with tall trees. This side is generally dark or, at least, heavily shaded.

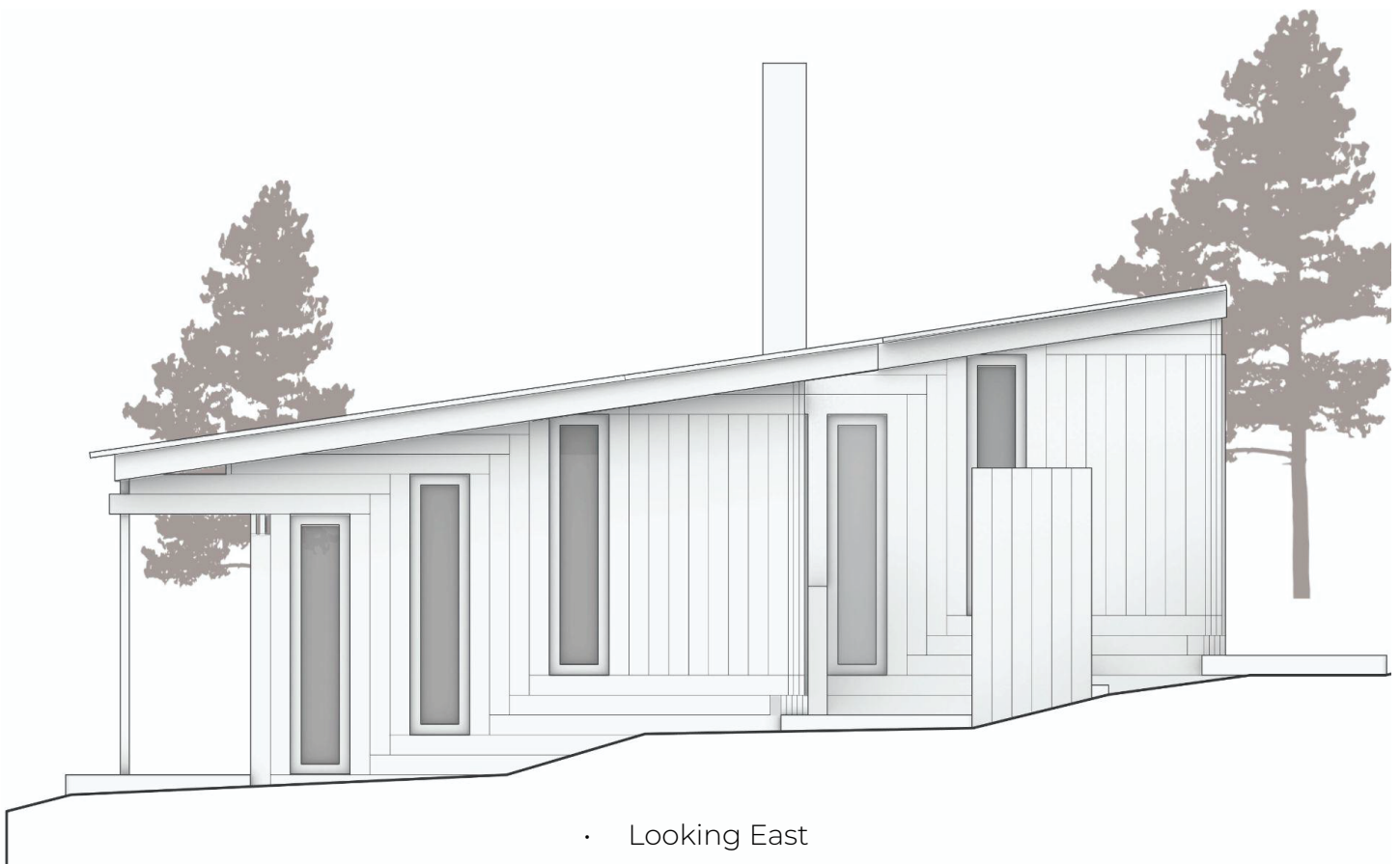
The South side turns to grass and small bushes as the tree canopy tapers off.

The building is located at the meeting point between these two sides and marks a powerful transition between realms.

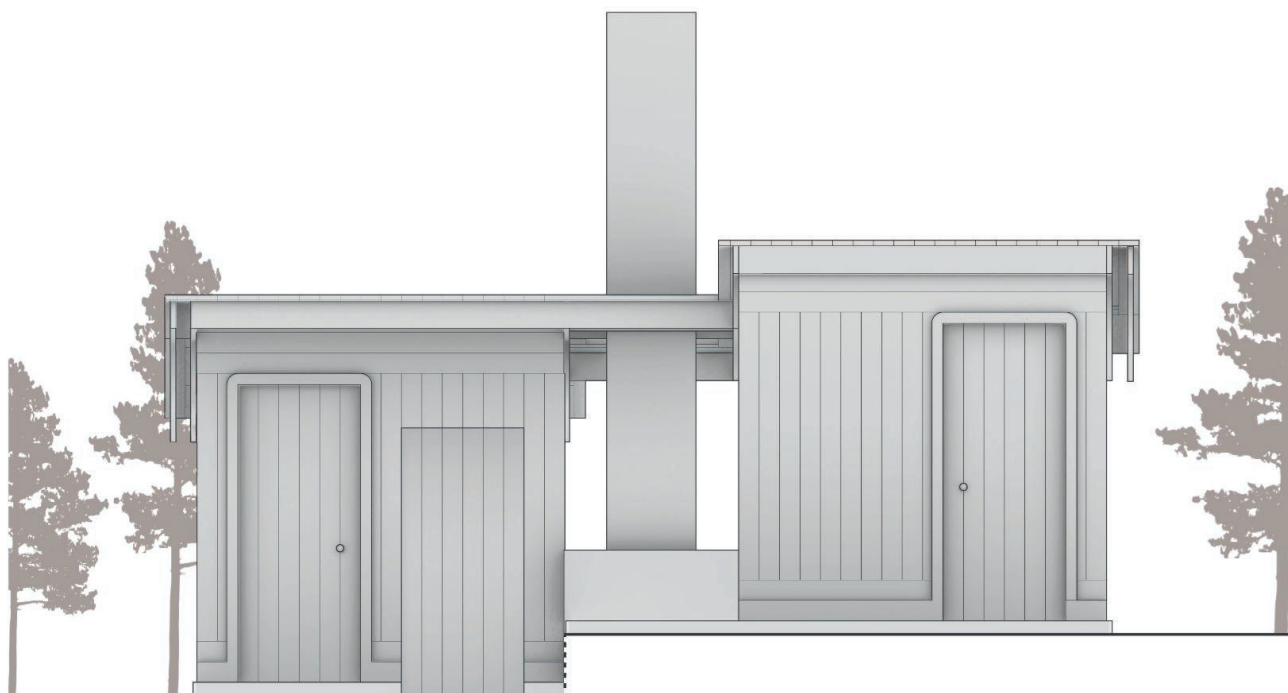




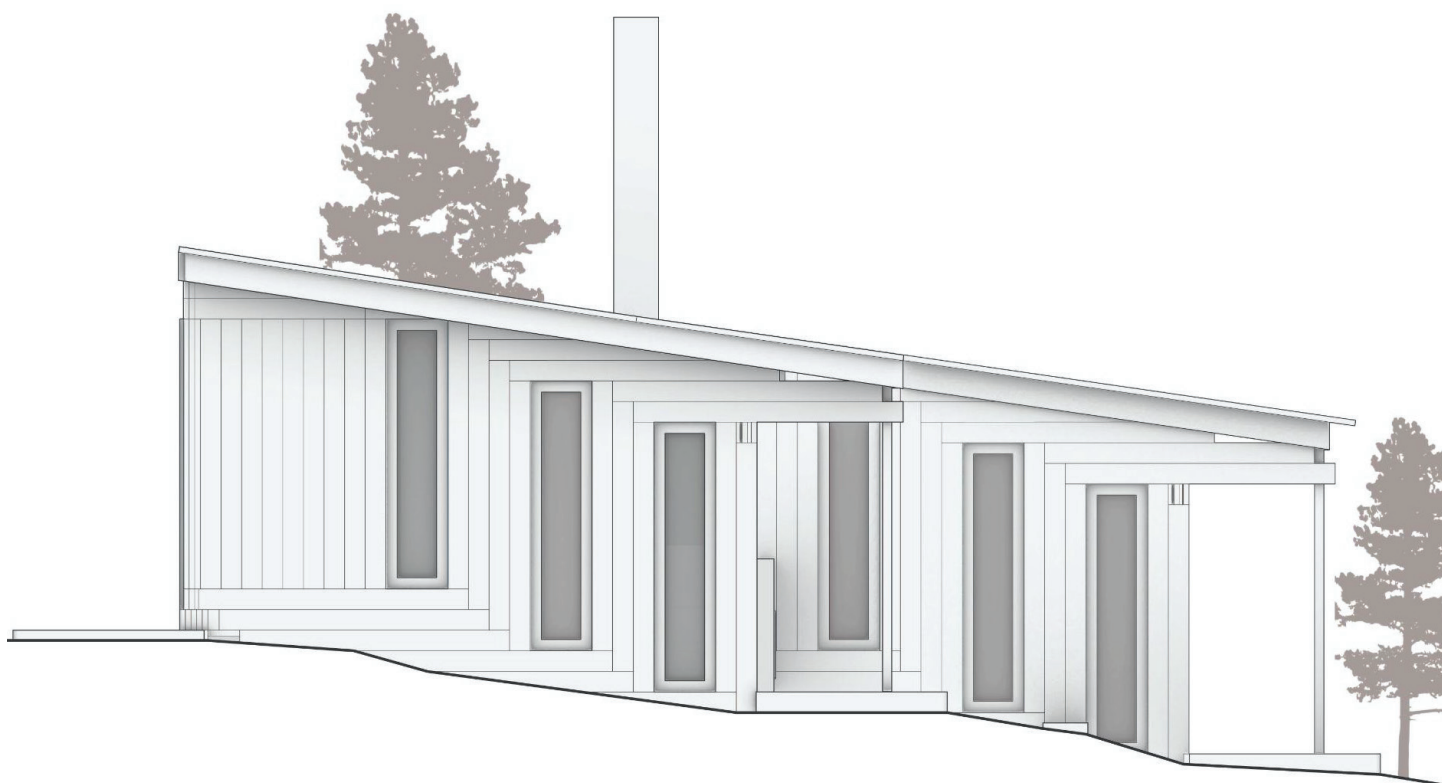
• Looking North



• Looking East

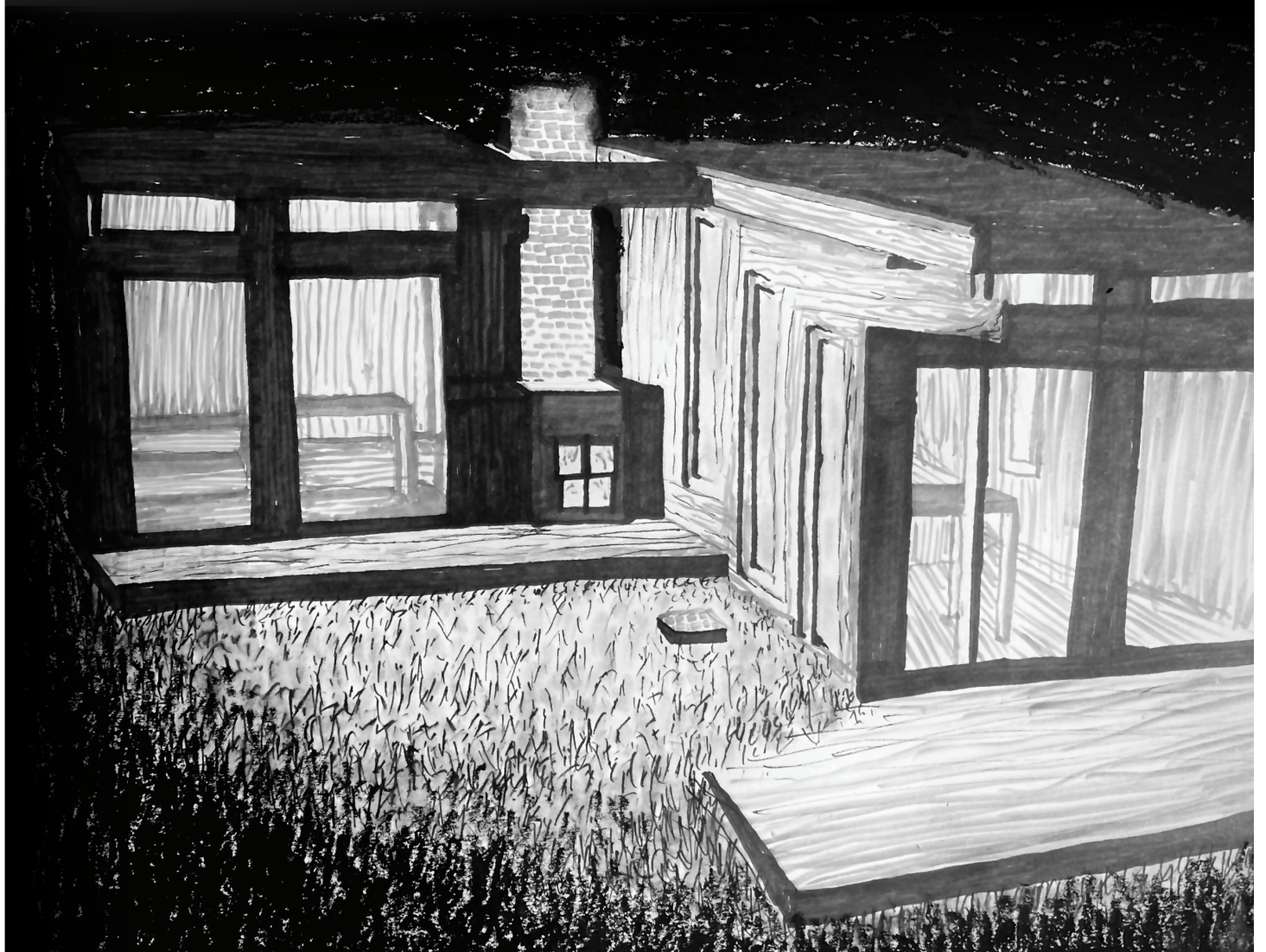
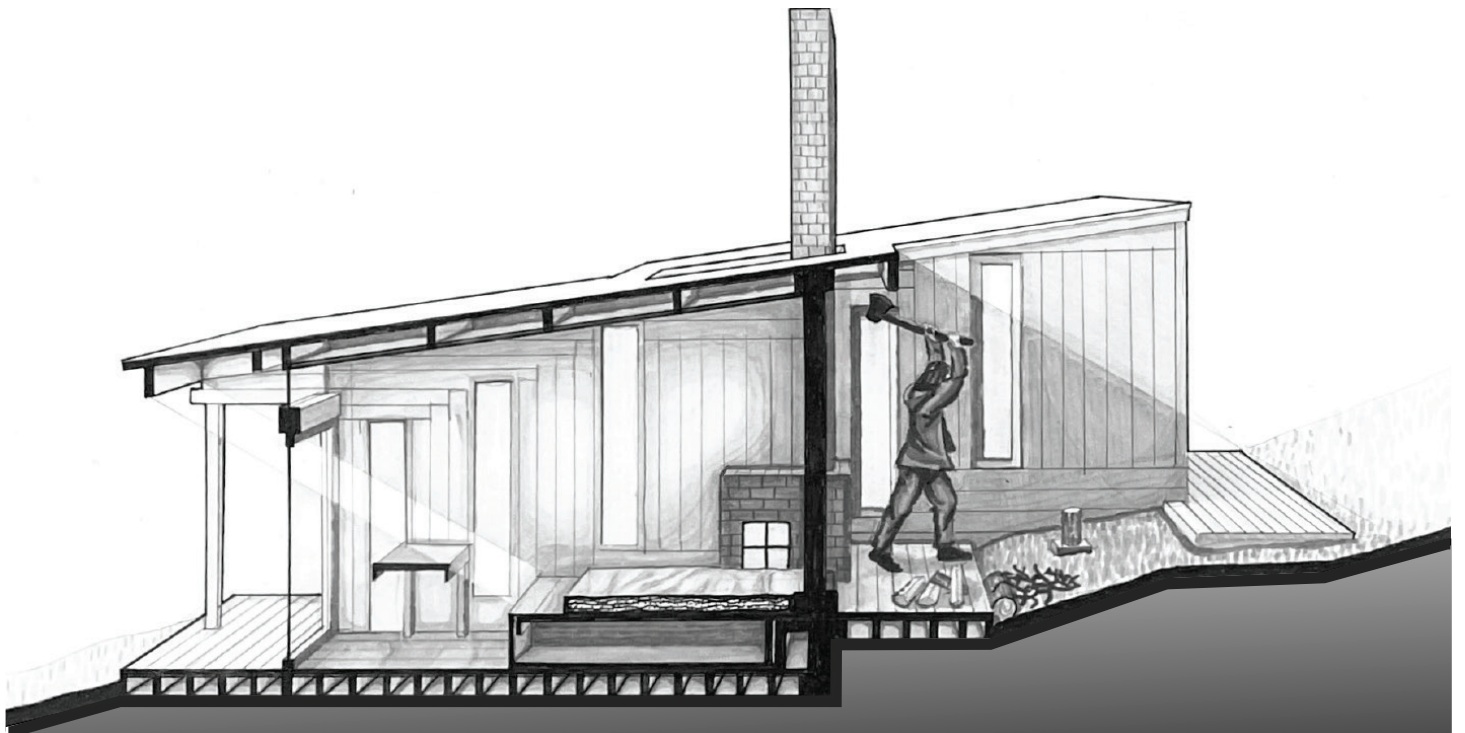


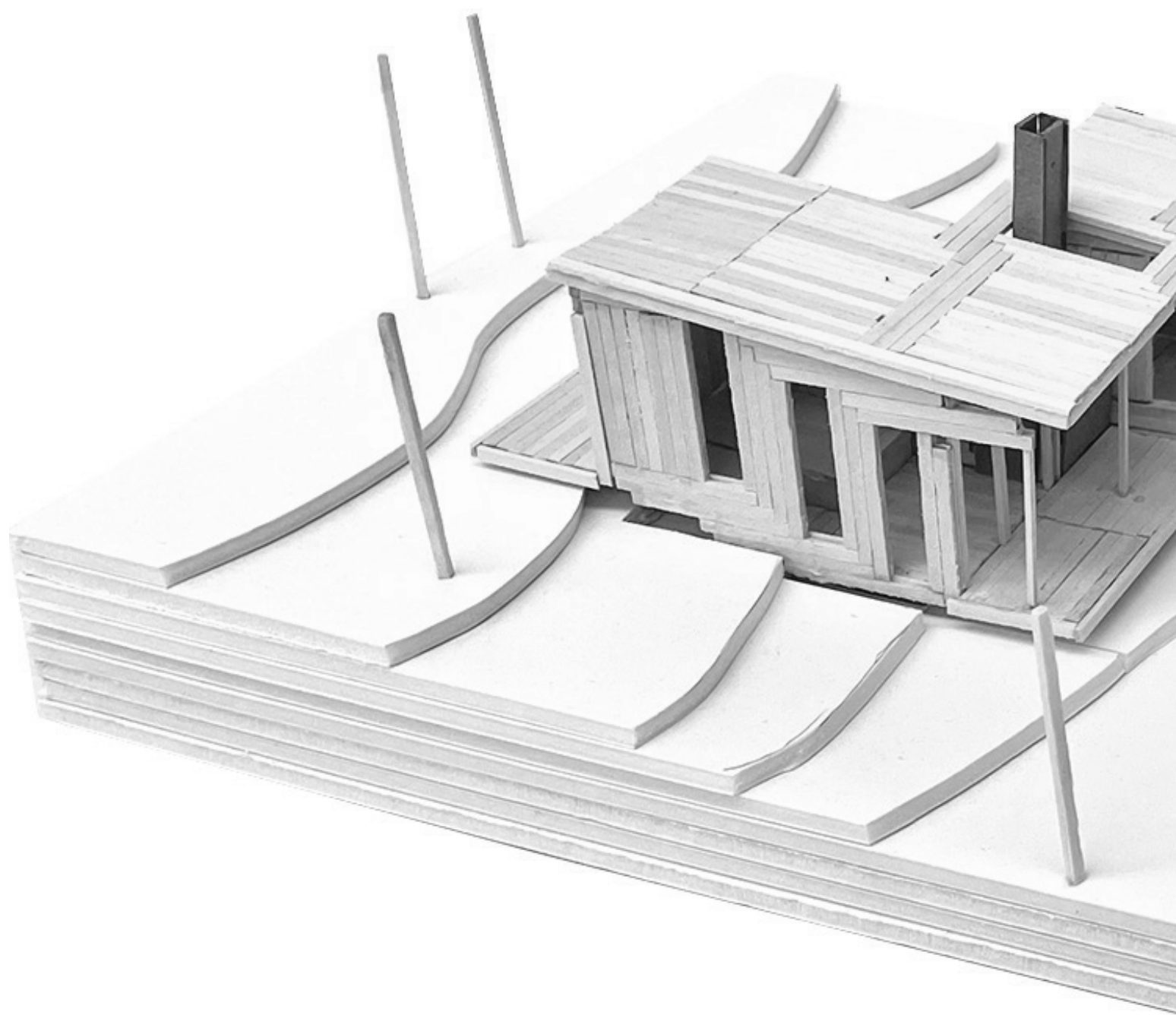
• Looking South

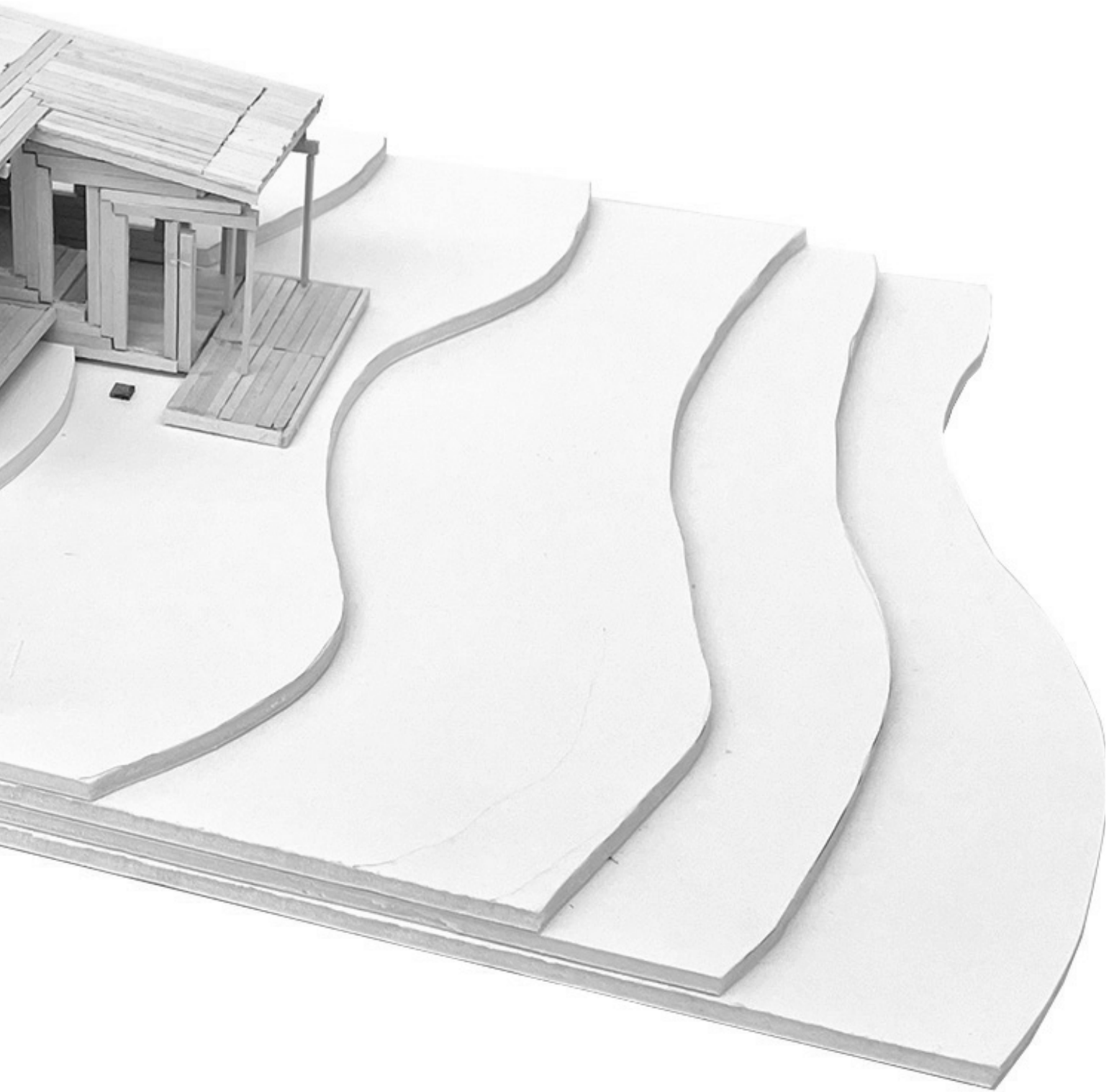


• Looking West













COHOUSING

SUMMER 2023 | MIXED-USE

CAPITOL HILL, SEATTLE, WA

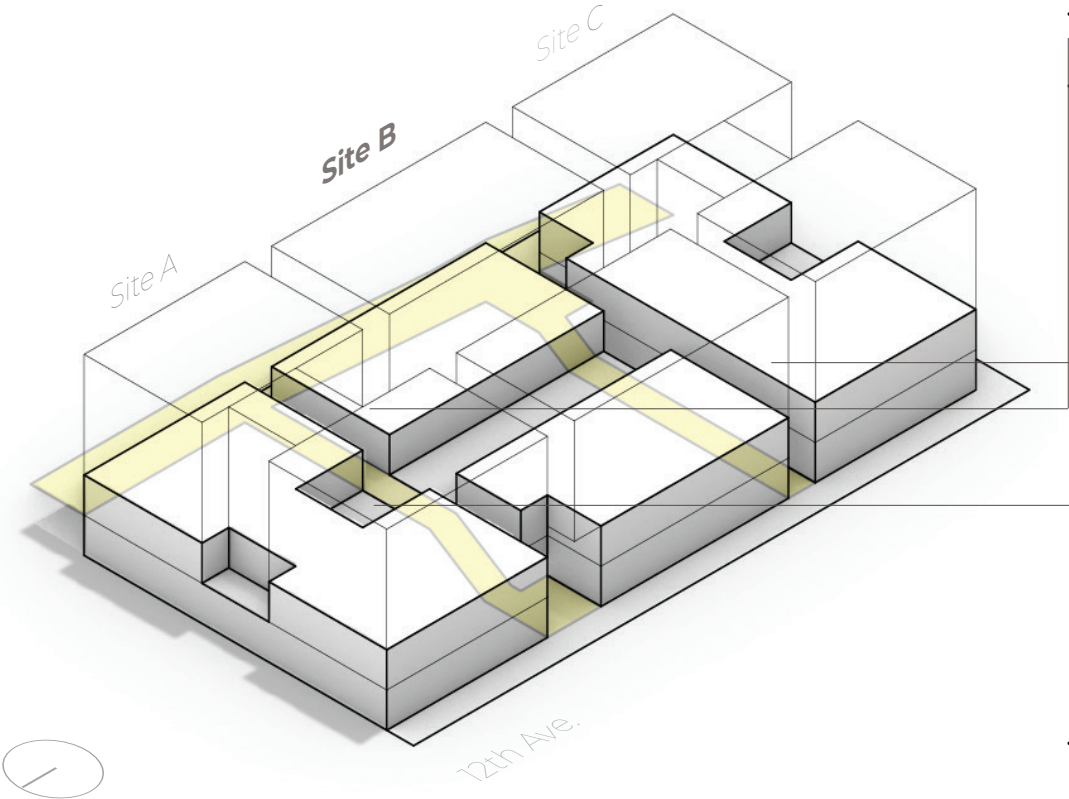
CONCEPT

The program set this site was a series of mixed-use multi-family buildings. These buildings were designed to support the idea of cohousing, a living agreement which brings about a stronger connection between families by sharing responsibilities and participating in daily rituals.

Out of the three sites, I had the largest one in the middle. We negotiated a site organization where we expanded the idea of co-housing to the scale of the block. We distributed amenities between the three sites.

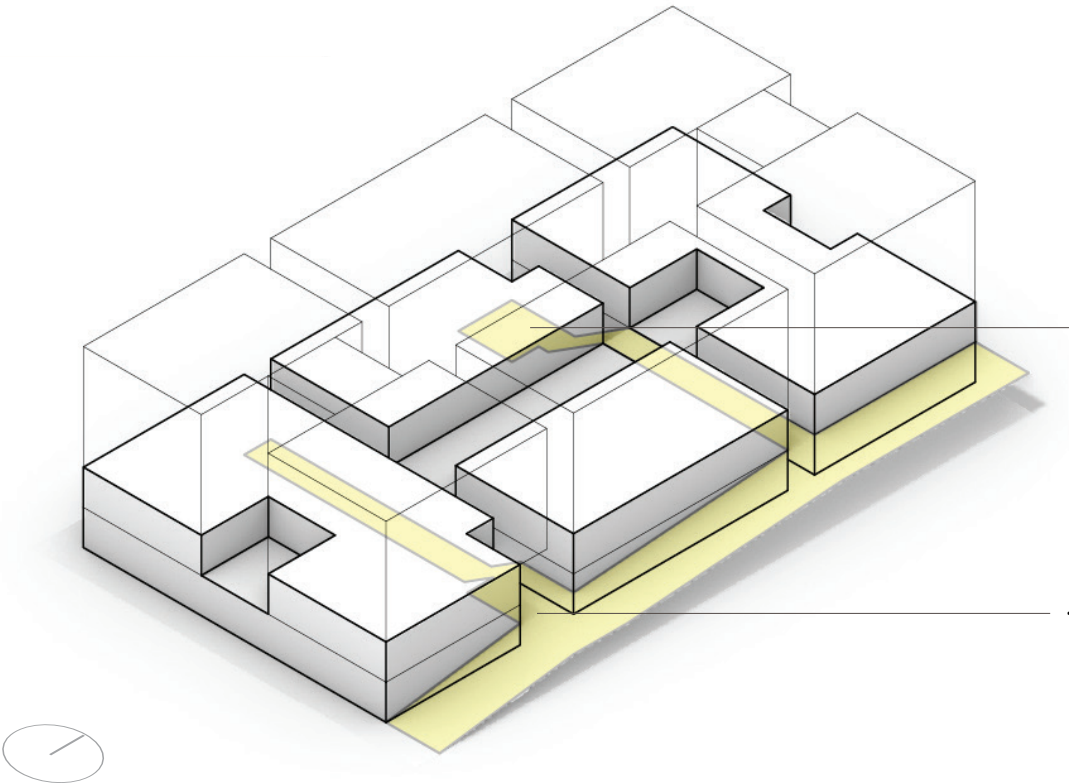
The final prescription was to use the single stair provision in order to reduce the overall cost and maximize space/number of units for the residents. The larger middle site demanded special treatment to reduce the circulation to a single point access block. My solution was to design a bridge that spanned the courtyard width, joining the two primary residential blocks.

MASTERPLAN & COMMUNITY PLANNING

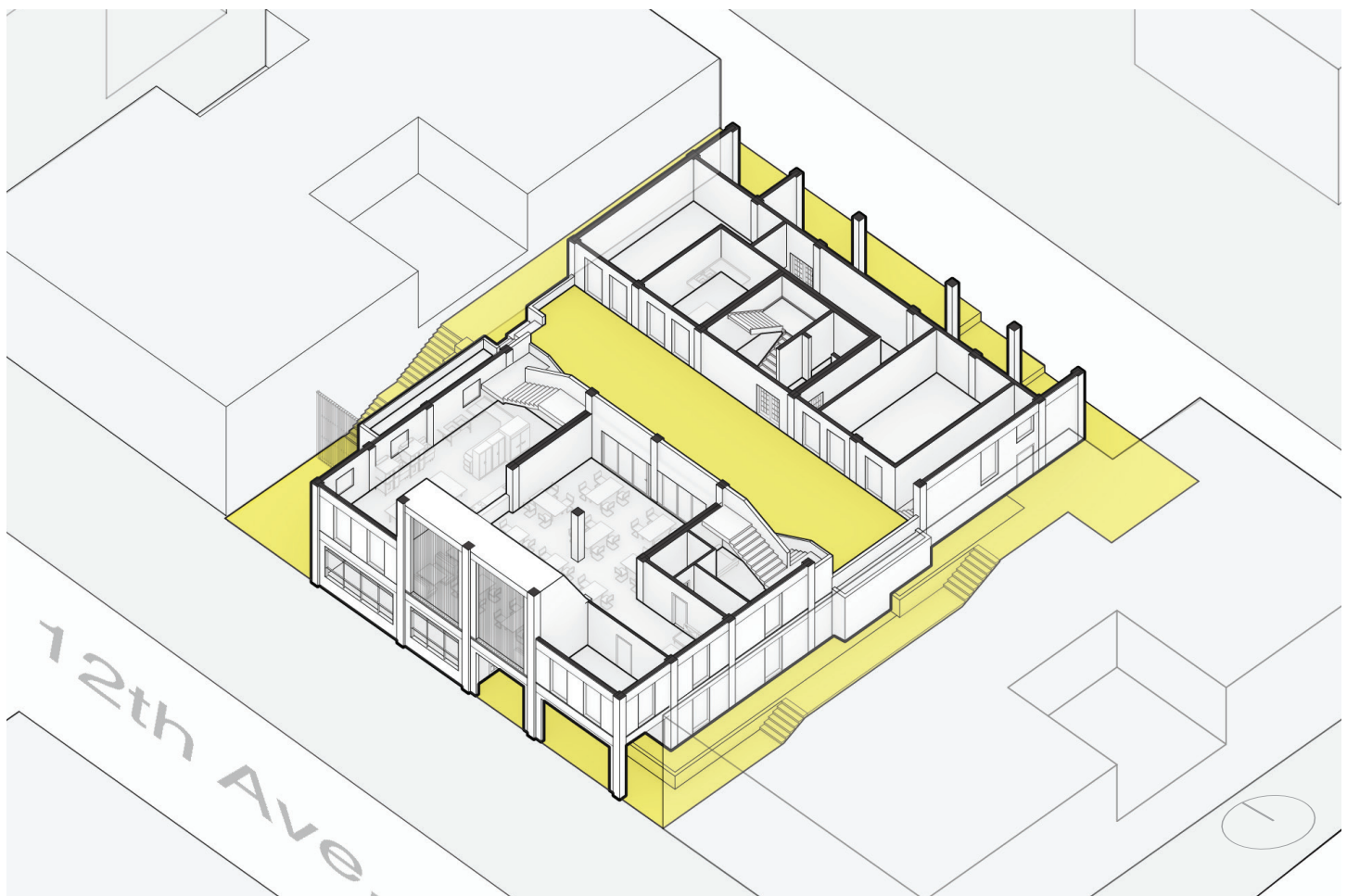
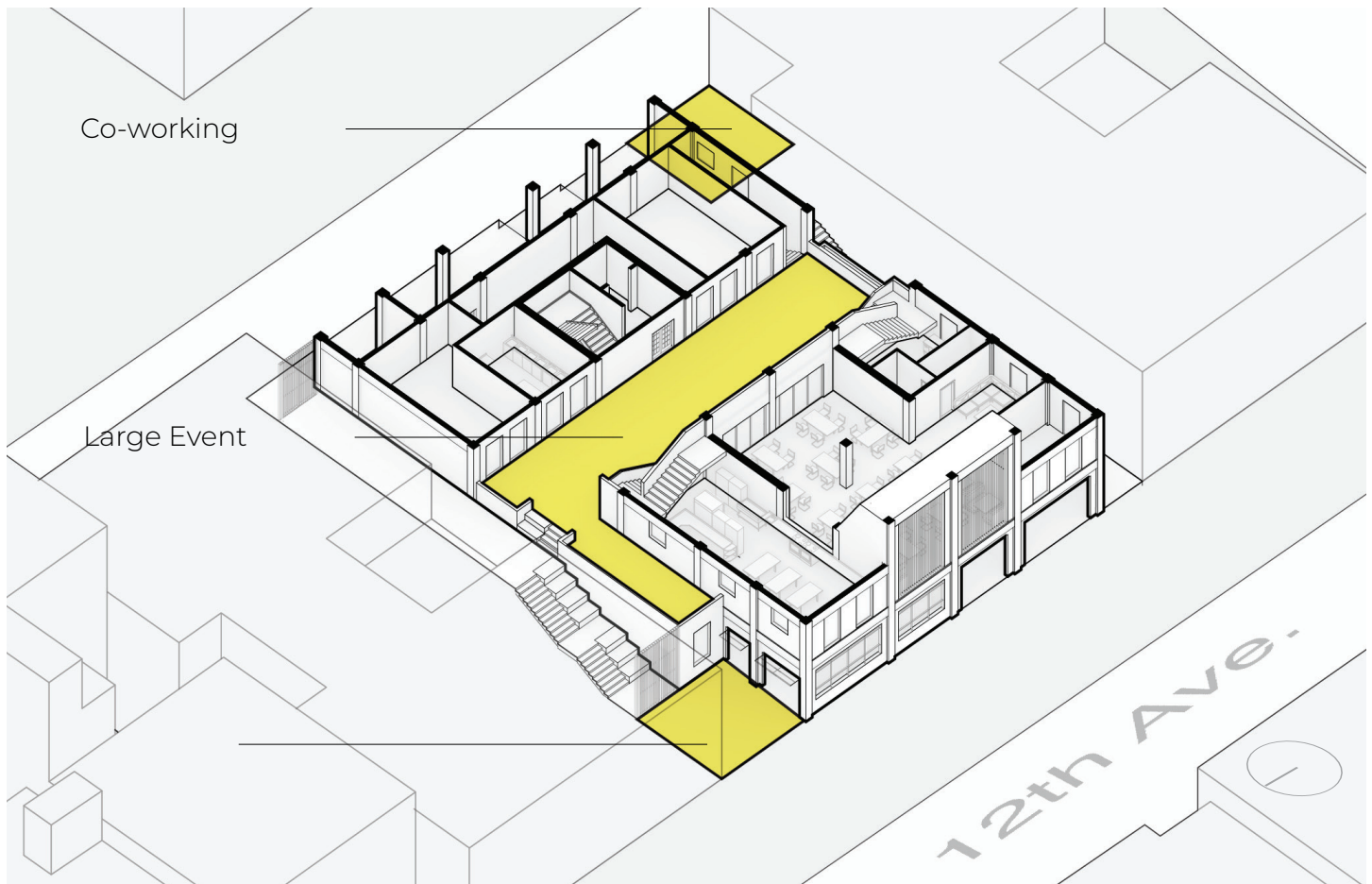


- 10 ft setbacks between buildings with primary access through shared alley

- Aligned central courtyards

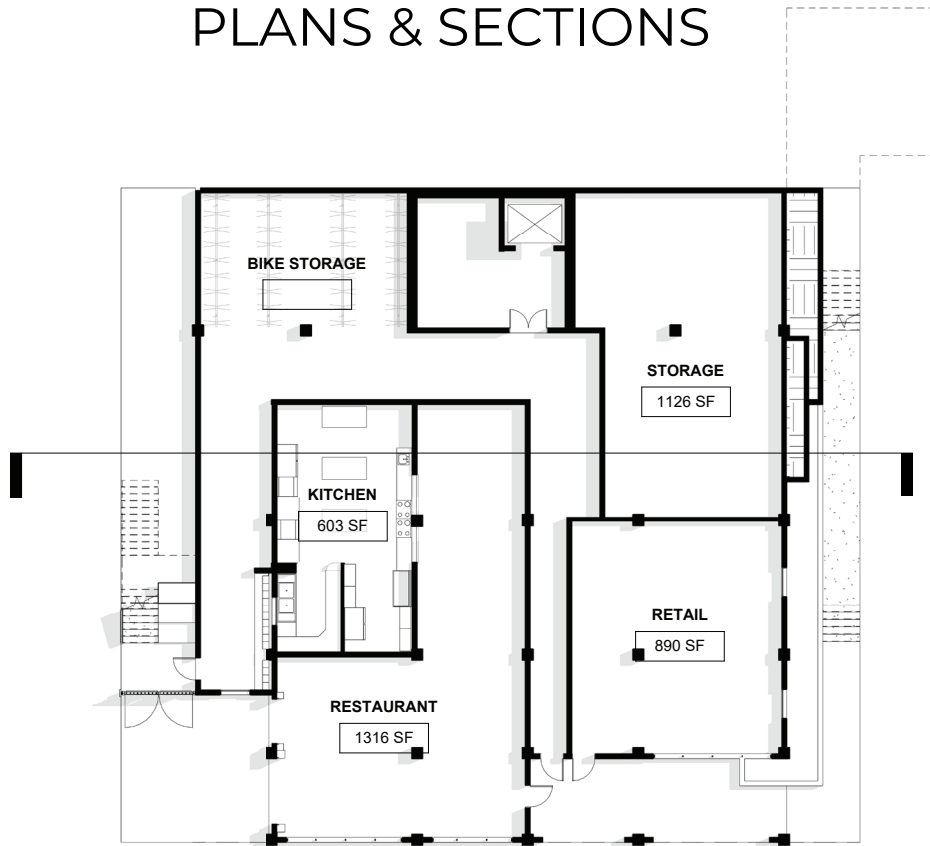


- Shared 20' x 20' courtyards at corners



PLANS & SECTIONS

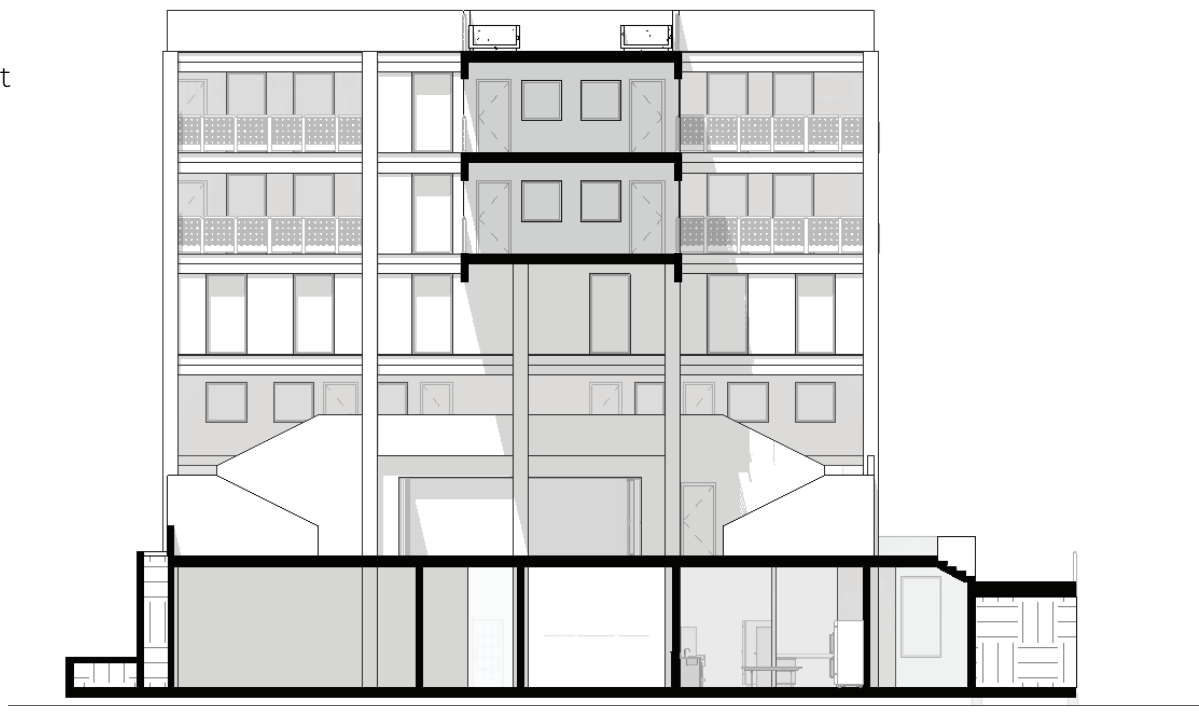
• LVL 1



• LVL 2



- Looking West



- Looking East



SINGLE STAIR PROVISION

SINGLE STAIR PROVISION ON A LARGE SITE

One of the biggest difficulties of making the single stair provision work for this site was to reduce the number of point access blocks to one. The provision has a few strict constraints such as **7.3** and **7.8** which restrict design decisions by a considerable amount. This was solved with the bridge on LVL 5-6 and double-height units on LVL 3-4 which divides egress asymmetrically (see diagrams opposite).

The wide bridge offers an unique elevated exterior space which offers a lot of value for families to use as they would a large balcony or for kids to play in a protected exterior space.

ABBREVIATED FROM SEATTLE BUILDING CODE 2018

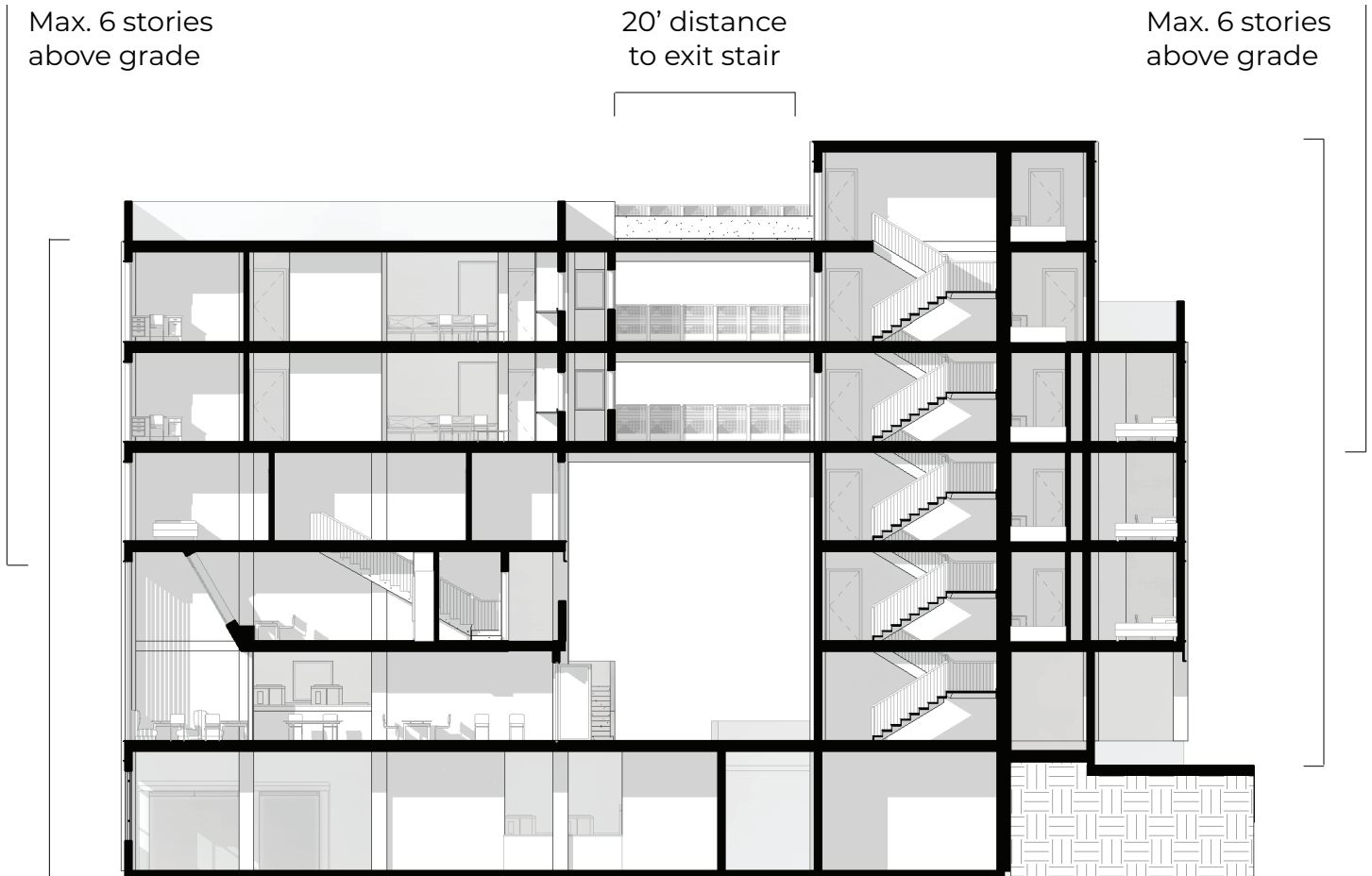
7.1 - The building has not more than six stories above grade plane

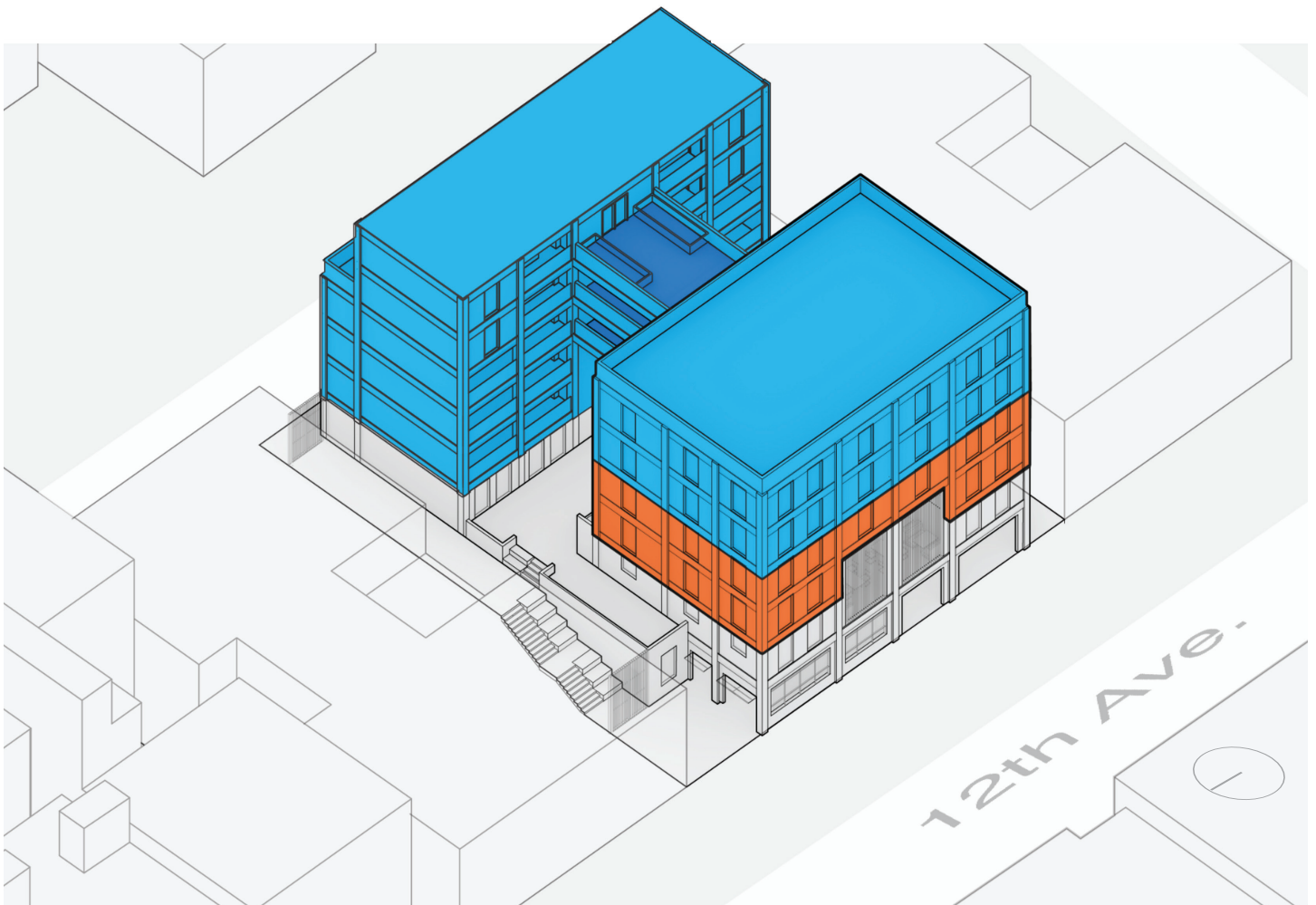
7.3 - There shall be **no more than four dwelling units on any floor**

7.5 - There shall not be more than two single exit stairway conditions on the same property

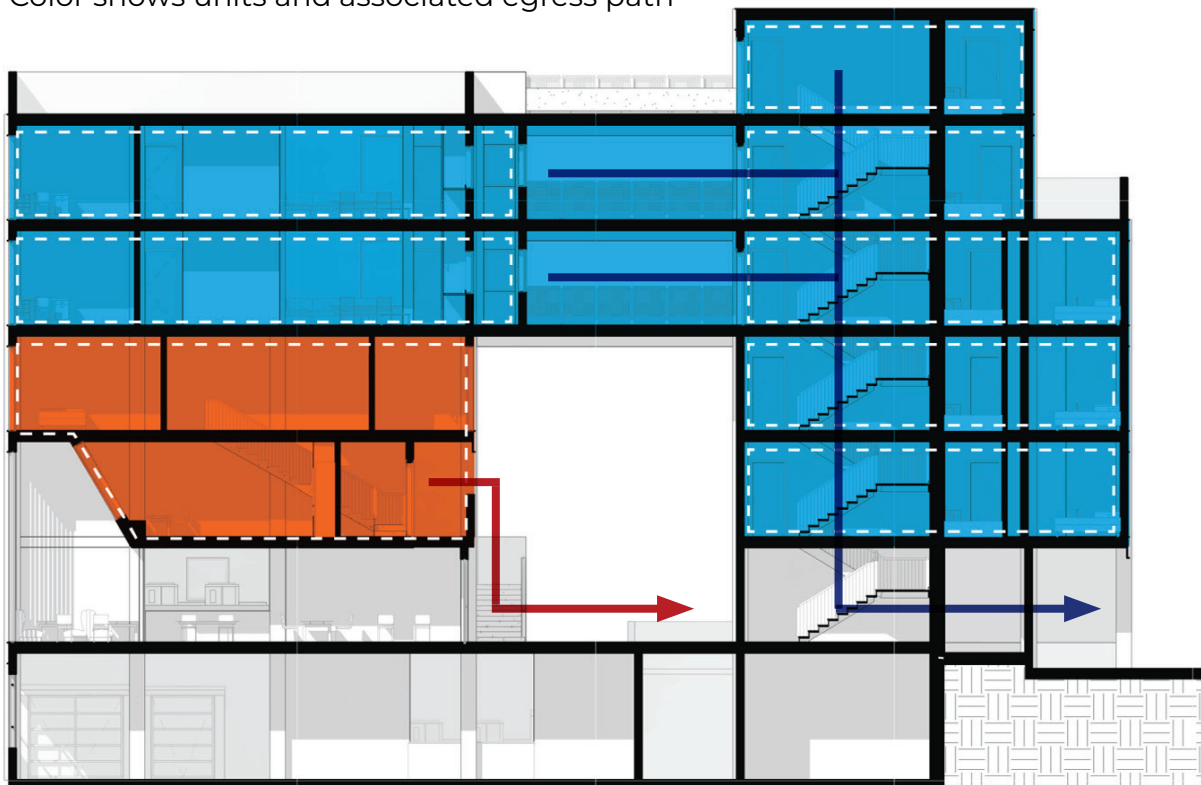
7.7 - A corridor shall separate each dwelling unit entry/exit door from the door to an interior exit stairway. Dwelling unit doors are allowed to open directly to an exterior or exterior stairway

7.8 - There shall be **no more than 20 feet of travel to the exit stairway** from the entry/exit door of any dwelling unit





Color shows units and associated egress path

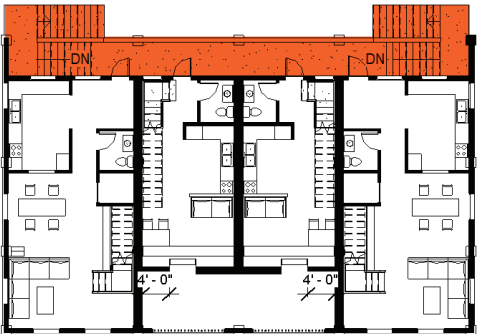
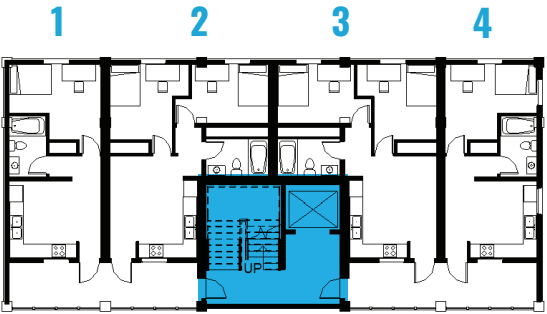


HOUSING PLANS & UNIT DISTRIBUTION

• LVL 3

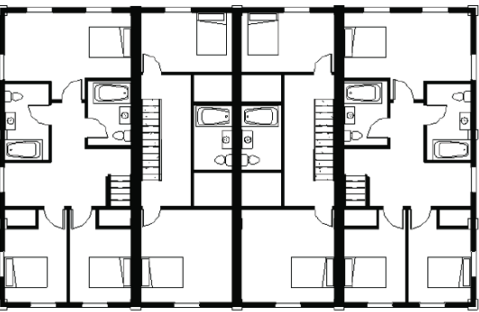
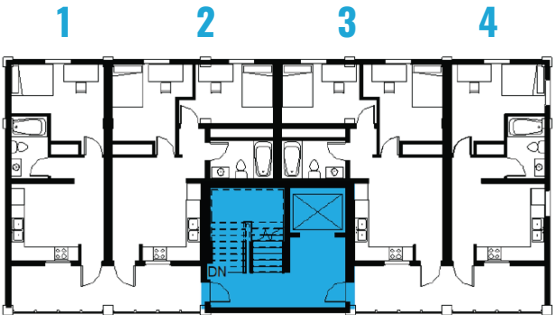
Color of numbers corresponds to the stair that is used

* - Double-height units



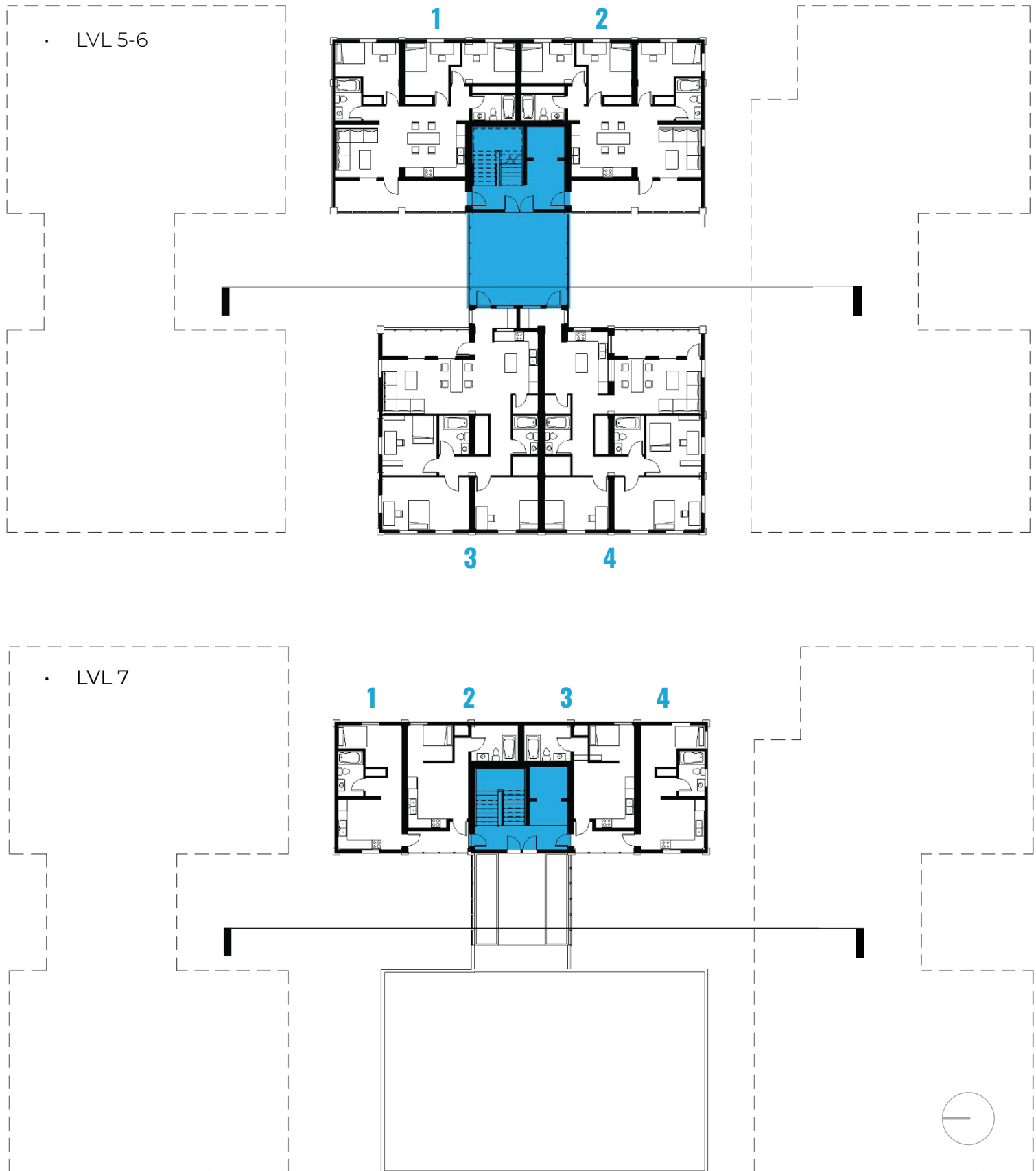
1* 2* 3* 4*

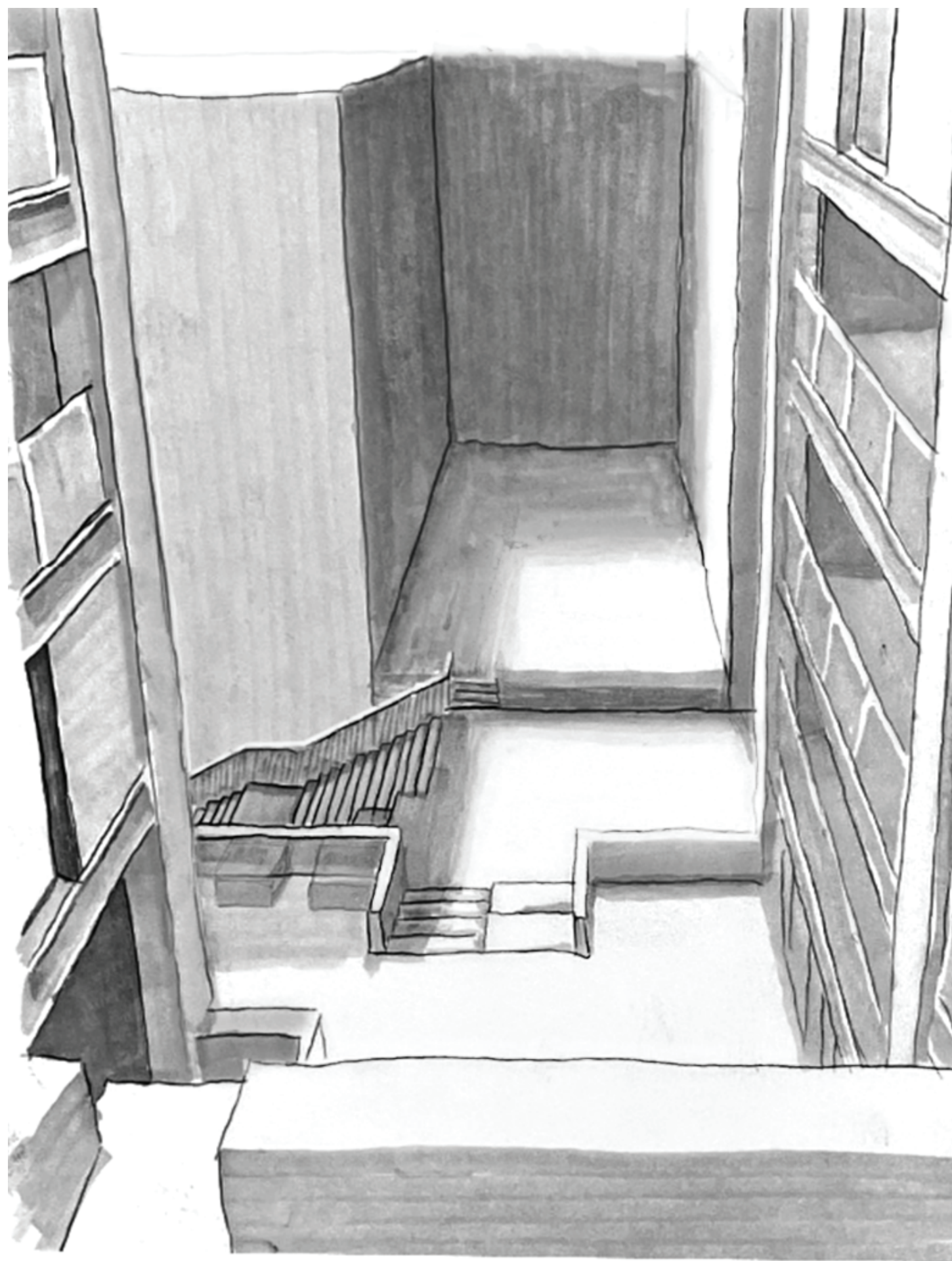
• LVL 4

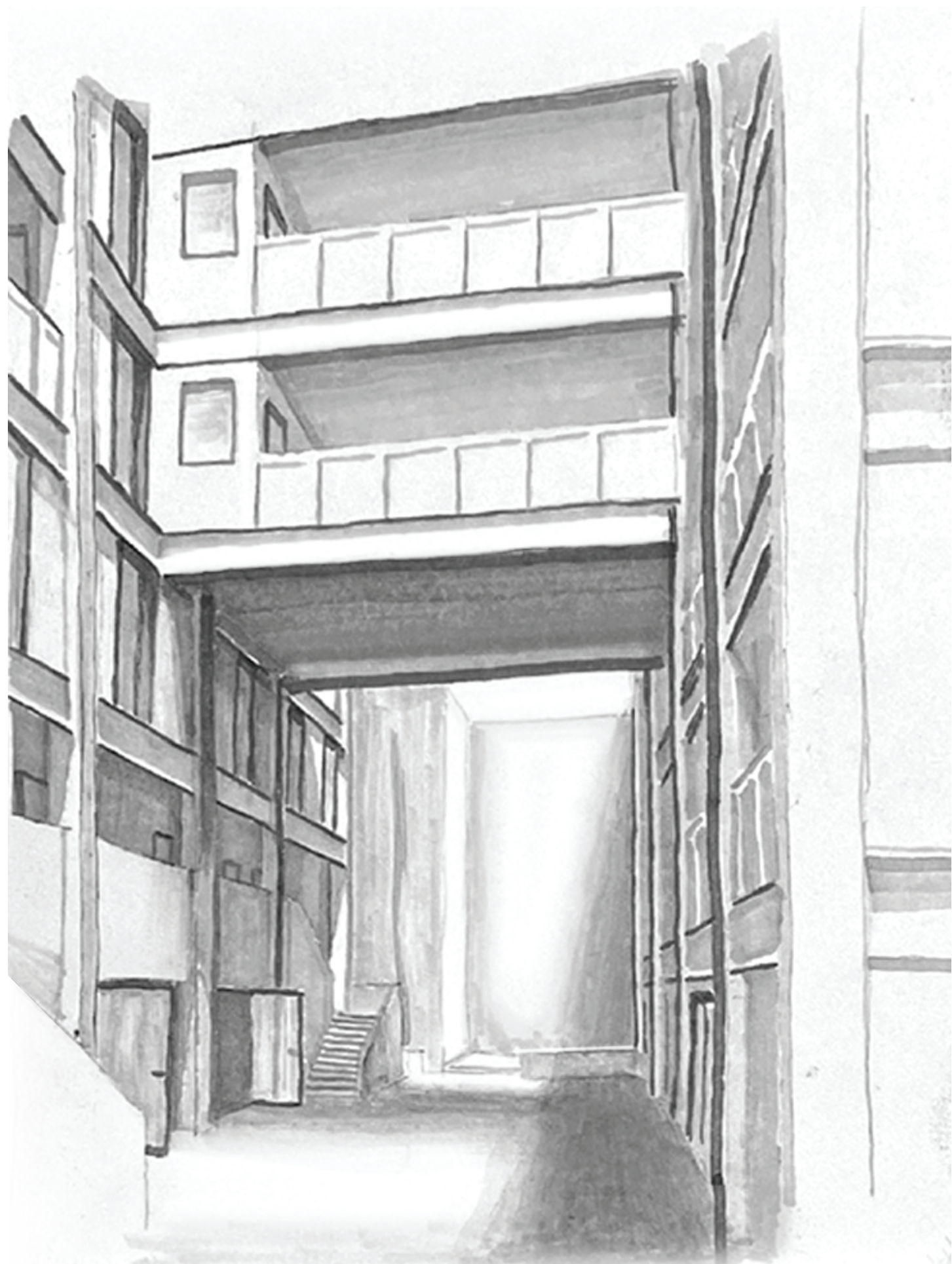


7.3 - There shall be **no more than four dwelling units on any floor**

- Numbers give a count of units per floor





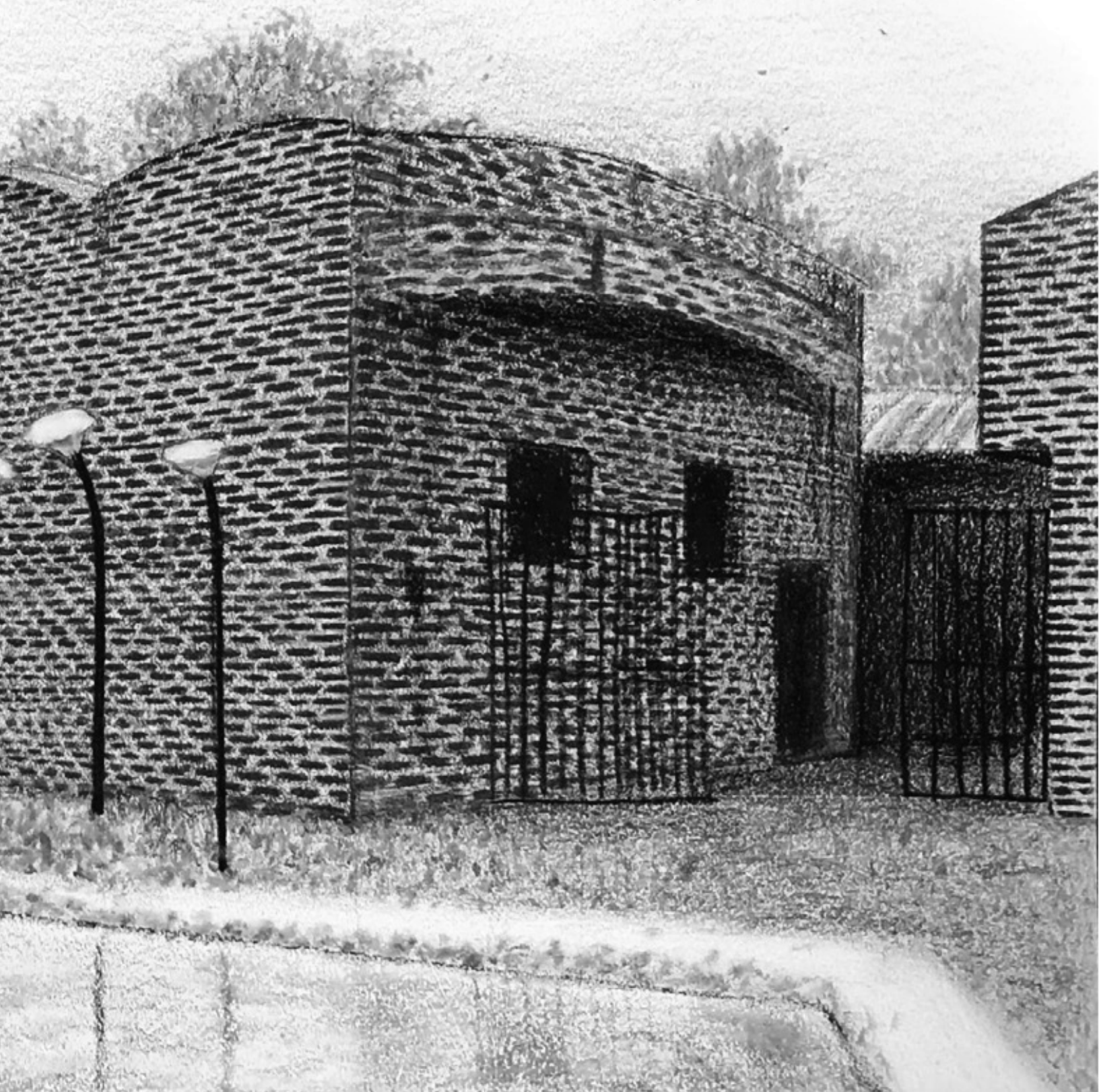


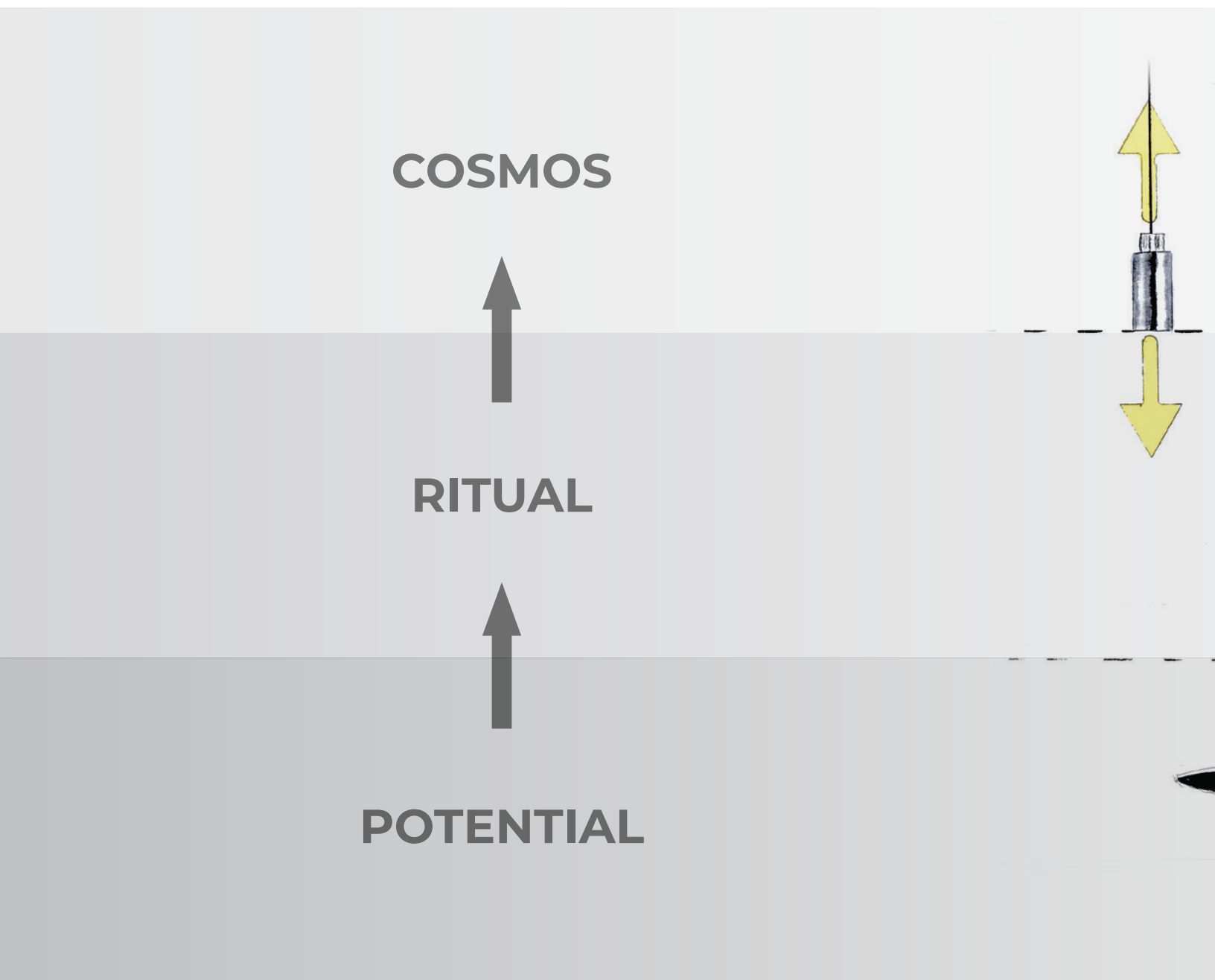


CHURCH OF SAINT PETRI

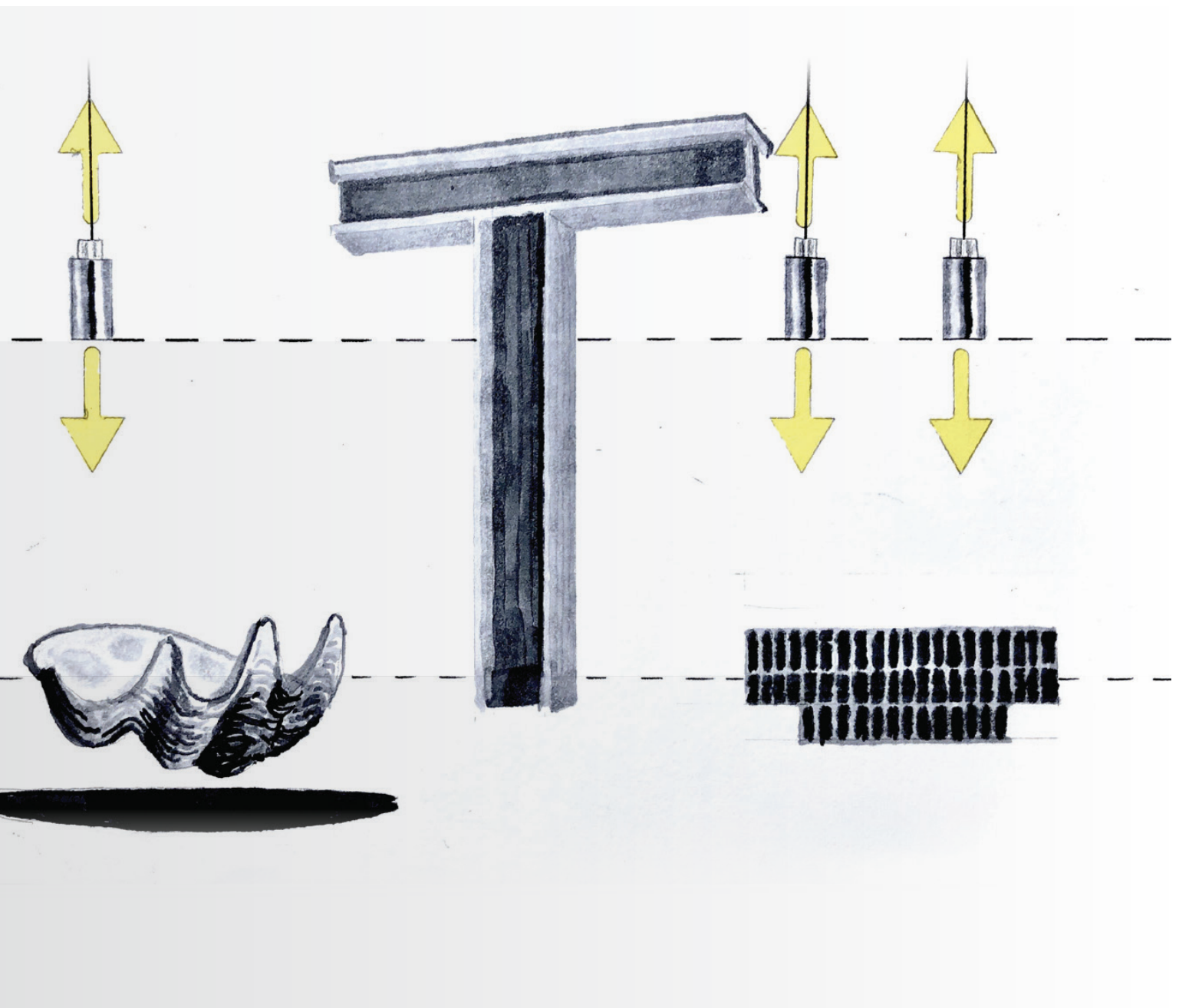
2021 | CASE STUDY

SIGURD LEWERENTZ





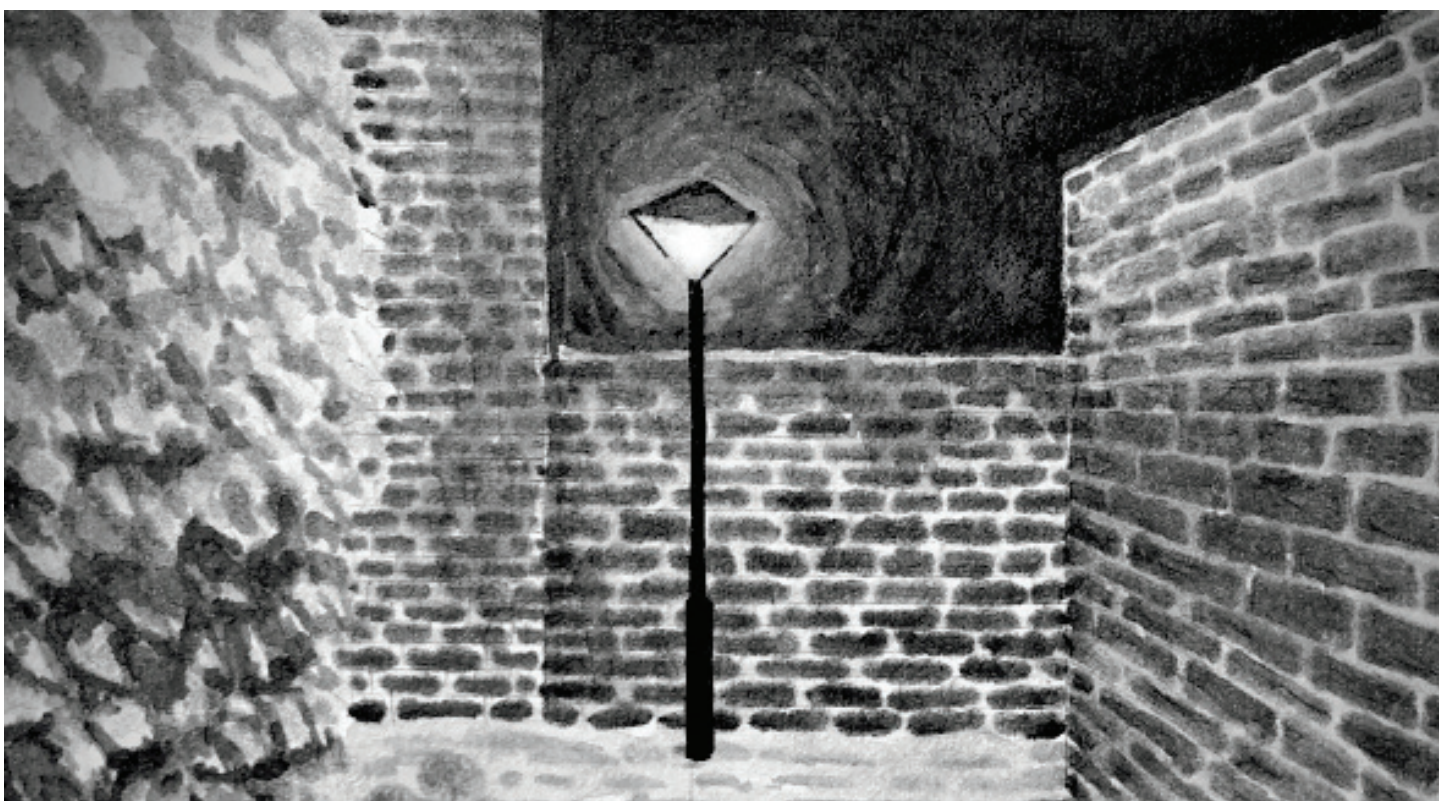
- **Within** the space there exists three vertical strata, the middle consists of the common of ritual action are located on this level. The cross and the altar slab are both symbols with the divine.
- **Above**, held up by the cross, is Lewerentz's depiction of the cosmos (Heavens), an undulating sky of brick illuminated by the flickering two-way lamps.
- **Below** lies the underworld, a black fissure formed in the brick into which an endless drip of water falls from the baptismal font, a symbol of time, and material which has yet to receive identity.



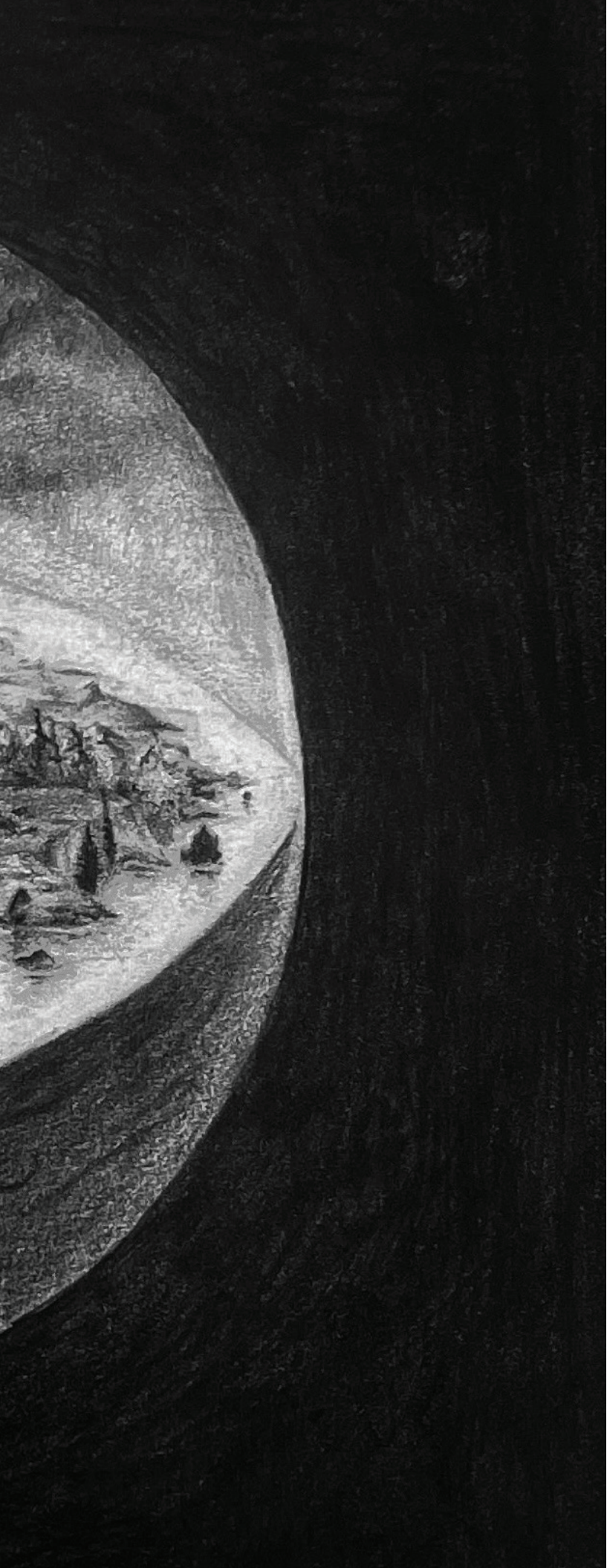
union space or the zone of mediation between meaning and material. The symbols
ools of sacrifice, a place where matter is offered up in order to enter into communion











DRAWINGS

SELECTED WORKS

FLETCHER STEELE

